A Complete Bibliography of Publications in *IEEE Transactions on Software Engineering* (2010–2019)

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References

Amatriain:2011:FGD

[AA11] X. Amatriain and P. Arumi. Frameworks generate domain-specific languages: A case study in the multimedia domain. *IEEE Transactions on Software Engineering*, 37(4):544–558, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5441292.

AlDallal:2018:EEI

[AA18] J. Al Dallal and A. Abdin. Empirical evaluation of the impact of object-oriented code refactoring on quality attributes: A systematic literature review. *IEEE Transactions on Software Engineering*, 44(1):44–69, January 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7833023.

Arcuri:2012:FAP

[AB12] A. Arcuri and L. Briand. Formal analysis of the probability of interaction fault detection using random testing. *IEEE Transactions on Software Engineering*, 38(5):1088–1099, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL

http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5999671.

Allamanis:2018:MSL

[ABB+18] Miltiadis Allamanis, Earl T. Barr, Christian Bird, Premkumar Devanbu, Mark Marron, and Charles Sutton. Mining semantic loop idioms. *IEEE Transactions on Software Engineering*, 44(7):651–668, July 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8355713/.

Autili:2016:TSM

[ABD+16] M. Autili, A. Bertolino, G. De Angelis, D. D. Ruscio, and A. D. Sandro. A tool-supported methodology for validation and refinement of early-stage domain models. *IEEE Transactions on Software Engineering*, 42(1):2–25, January 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7132782.

Aleti:2013:SAO

[ABG+13] A. Aleti, B. Buhnova, L. Grunske, A. Koziolek, and I. Meedeniya. Software architecture optimization methods: A systematic literature review. *IEEE Transactions on Software Engineering*, 39(5):658–683, May 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6311410.

Ali:2010:SRA

[ABHPW10] S. Ali, L. C. Briand, H. Hemmati, and R. K. Panesar-Walawege. A systematic review of the application and empirical investigation of search-based test case generation. *IEEE Transactions on Software Engineering*, 36(6):742–762, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5210118.

Araujo:2014:ECT

[ABL14] W. Araujo, L. C. Briand, and Y. Labiche. On the effectiveness of contracts as test oracles in the detection and diagnosis of functional faults in concurrent object-oriented software. *IEEE Transactions on Software Engineering*, 40(10):971–992, October 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6857355.

Al-Baik:2019:IDK

[ABM19] O. Al-Baik and J. Miller.

Integrative Double Kaizen Loop (IDKL): Towards a culture of continuous learning and sustainable improvements for software organizations. *IEEE Transactions on Software Engineering*, 45(12): 1189–1210, December 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Andrikopoulos:2012:ES

[ABP12] V. Andrikopoulos, S. Benbernou, and M. P. Papazoglou. On the evolution of services. *IEEE Transactions on Software Engineering*, 38(3):609–628, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5728828`.

Akiki:2016:EAM

[ABY16] P. A. Akiki, A. K. Bandara, and Y. Yu. Engineering adaptive model-driven user interfaces. *IEEE Transactions on Software Engineering*, 42 (12):1118–1147, December 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7451279`.

Ampatzoglou:2015:EGD

[ACCA15] A. Ampatzoglou, A. Chatzigeorgiou, S. Charalampidou, and P. Avgeriou. The effect of GoF design patterns on stability: A case study. *IEEE Transactions on Software Engineering*, 41(8):781–802, August 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7066925`.

Altintas:2012:MPL

[ACDO12] N. I. Altintas, S. Cetin, A. H. Dogru, and H. Oguztuzun. Modeling product line software assets using domain-specific kits. *IEEE Transactions on Software Engineering*, 38(6):1376–1402, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6065739`.

Androutsopoulos:2013:ASE

[ACH+13] K. Androutsopoulos, D. Clark, M. Harman, R. M. Hierons, Z. Li, and L. Tratt. Amorphous slicing of extended finite state machines. *IEEE Transactions on Software Engineering*, 39(7):892–909, July 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6374192`.

Atachiants:2016:PPP

[ADG16] R. Atachiants, G. Doherty,

and D. Gregg. Parallel performance problems on shared-memory multicore systems: Taxonomy and observation. *IEEE Transactions on Software Engineering*, 42(8):764–785, August 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7386691.

Aranda:2016:EDK

[ADJ16] A. M. Aranda, O. Dieste, and N. Juristo. Effect of domain knowledge on elicitation effectiveness: An internally replicated controlled experiment. *IEEE Transactions on Software Engineering*, 42(5):427–451, May 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7307191.

Artzi:2012:FLD

[ADTP12] S. Artzi, J. Dolby, F. Tip, and M. Pistoia. Fault localization for dynamic Web applications. *IEEE Transactions on Software Engineering*, 38(2):314–335, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5975173.

Arnaoudova:2014:RAN

[AEP+14] V. Arnaoudova, L. M. Eshkevari, M. D. Penta, R. Oliveto, G. Antoniol, and Y. G. Guéhéneuc. REPENT: Analyzing the nature of identifier renamings. *IEEE Transactions on Software Engineering*, 40(5):502–532, May 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6776542.

Ali:2013:TMS

[AGA13] N. Ali, Y. G. Guéhéneuc, and G. Antoniol. Trustrace: Mining software repositories to improve the accuracy of requirement traceability links. *IEEE Transactions on Software Engineering*, 39(5):725–741, May 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6341764.

Abrahao:2013:AES

[AGI+13] S. Abrahão, C. Gravino, E. Insfran, G. Scanniello, and G. Tortora. Assessing the effectiveness of sequence diagrams in the comprehension of functional requirements: Results from a family of five experiments. *IEEE Transactions on Software Engineering*, 39(3):327–342, March

2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6193111.

Autili:2015:AQR

[AGL+15] M. Autili, L. Grunske, M. Lumpe, P. Pelliccione, and A. Tang. Aligning qualitative, real-time, and probabilistic property specification patterns using a structured English grammar. *IEEE Transactions on Software Engineering*, 41(7):620–638, July 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7029714.

Arcaini:2019:DBA

[AGR19] P. Arcaini, A. Gargantini, and E. Riccobene. Decomposition-based approach for model-based test generation. *IEEE Transactions on Software Engineering*, 45(5):507–520, May 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Ali:2013:TMC

[AHG13] N. M. Ali, J. Hosking, and J. Grundy. A taxonomy and mapping of computer-based critiquing tools. *IEEE Transactions on Software Engineering*, 39(11):1494–1520, November 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6570472.

Atlee:2012:GEI

[AI12] J. M. Atlee and P. Inverardi. Guest Editor's introduction: International Conference on Software Engineering. *IEEE Transactions on Software Engineering*, 38(1):3–4, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6141071.

Ali:2013:GTD

[AIAB13] S. Ali, M. Zohaib Iqbal, A. Arcuri, and L. C. Briand. Generating test data from OCL constraints with search techniques. *IEEE Transactions on Software Engineering*, 39(10):1376–1402, October 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6491405.

Arcuri:2012:RTT

[AIB12] A. Arcuri, M. Z. Iqbal, and L. Briand. Random testing: Theoretical results and practical implications. *IEEE Transactions on Software Engineer-*

ing, 38(2):258–277, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6104067.

Artzi:2010:FBW

[AKD+10] S. Artzi, A. Kiezun, J. Dolby, F. Tip, D. Dig, A. Paradkar, and M. D. Ernst. Finding bugs in Web applications using dynamic test generation and explicit-state model checking. *IEEE Transactions on Software Engineering*, 36(4):474–494, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5416728.

Apel:2013:LIA

[AKL13] S. Apel, C. Kästner, and C. Lengauer. Language-independent and automated software composition: The FeatureHouse experience. *IEEE Transactions on Software Engineering*, 39(1):63–79, January 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6095570.

Alrajeh:2013:ERU

[AKRU13] D. Alrajeh, J. Kramer, A. Russo, and S. Uchitel. Elaborating requirements using model checking and inductive learning. *IEEE Transactions on Software Engineering*, 39(3):361–383, March 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6216384.

AlDallal:2011:MDP

[Al 11] J. Al Dallal. Measuring the discriminative power of object-oriented class cohesion metrics. *IEEE Transactions on Software Engineering*, 37(6):788–804, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5639020.

Aljazzar:2010:DES

[AL10] H. Aljazzar and S. Leue. Directed explicit state-space search in the generation of counterexamples for stochastic model checking. *IEEE Transactions on Software Engineering*, 36(1):37–60, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5262946.

Andrade:2013:GTC

[AM13] W. L. Andrade and P. D. L.

Machado. Generating test cases for real-time systems based on symbolic models. *IEEE Transactions on Software Engineering*, 39(9):1216–1229, September 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6475130.

Andrews:2011:GAR

[AML11] J. H. Andrews, T. Menzies, and F. C. H. Li. Genetic algorithms for randomized unit testing. *IEEE Transactions on Software Engineering*, 37(1):80–94, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5704237.

Antunes:2010:VDA

[ANC+10] J. Antunes, N. Neves, M. Correia, P. Verissimo, and R. Neves. Vulnerability discovery with attack injection. *IEEE Transactions on Software Engineering*, 36(3):357–370, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5374427.

Amann:2019:SES

[ANN+19] S. Amann, H. A. Nguyen, S. Nadi, T. N. Nguyen, and M. Mezini. A systematic evaluation of static API-misuse detectors. *IEEE Transactions on Software Engineering*, 45(12):1170–1188, December 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Anonymous:2010:RL

[Ano10a] Anonymous. 2009 reviewers list. *IEEE Transactions on Software Engineering*, 36(1):141–143, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5401366.

Anonymous:2010:GRJ

[Ano10b] Anonymous. 7 great reasons for joining the IEEE Computer Society [advertisement]. *IEEE Transactions on Software Engineering*, 36(1):144, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5401367.

Anonymous:2010:BCa

[Ano10c] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 36(1):c4, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL

http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5401369.

Anonymous:2010:BCc

[Ano10d] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 36(2):c4, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5439571.

Anonymous:2010:BCf

[Ano10e] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 36(3):c4, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5473902.

Anonymous:2010:BCb

[Ano10f] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 36(4):c4, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5532340.

Anonymous:2010:BCe

[Ano10g] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 36(5):c4, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5593047.

Anonymous:2010:BCd

[Ano10h] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 36(6):c4, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5644738.

Anonymous:2010:FCc

[Ano10i] Anonymous. [front cover]. *IEEE Transactions on Software Engineering*, 36(1):c1, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5401362.

Anonymous:2010:FCf

[Ano10j] Anonymous. [front cover]. *IEEE Transactions on Software Engineering*, 36(2):c1, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5439566.

Anonymous:2010:FCa

[Ano10k] Anonymous. [front cover]. *IEEE Transactions on Soft-

ware Engineering, 36(3):c1, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5473897.

Anonymous:2010:FCd

[Ano10l] Anonymous. [front cover]. *IEEE Transactions on Software Engineering*, 36(4):c1, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5532335.

Anonymous:2010:FCb

[Ano10m] Anonymous. [front cover]. *IEEE Transactions on Software Engineering*, 36(5):c1, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5593042.

Anonymous:2010:FCe

[Ano10n] Anonymous. [front cover]. *IEEE Transactions on Software Engineering*, 36(6):c1, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5644732.

Anonymous:2010:ICS

[Ano10o] Anonymous. IEEE Computer Society CSDP [advertisement]. *IEEE Transactions on Software Engineering*, 36(6):878, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5644736.

Anonymous:2010:IFCd

[Ano10p] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 36(1):c2, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5401363.

Anonymous:2010:IFCa

[Ano10q] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 36(2):c2, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5439567.

Anonymous:2010:IFCb

[Ano10r] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 36(3):c2, May/June 2010. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5473898.

Anonymous:2010:IFCe

[Ano10s] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 36(4):c2, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5532336.

Anonymous:2010:IFCc

[Ano10t] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 36(5):c2, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5593043.

Anonymous:2010:IFCf

[Ano10u] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 36(6):c2, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5644733.

Anonymous:2010:TIAa

[Ano10v] Anonymous. TSE information for authors. *IEEE Transactions on Software Engineering*, 36(1):c3, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5401368.

Anonymous:2010:TIAf

[Ano10w] Anonymous. TSE information for authors. *IEEE Transactions on Software Engineering*, 36(2):c3, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5439570.

Anonymous:2010:TIAe

[Ano10x] Anonymous. TSE information for authors. *IEEE Transactions on Software Engineering*, 36(3):c3, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5473901.

Anonymous:2010:TIAc

[Ano10y] Anonymous. TSE information for authors. *IEEE Transactions on Software Engineering*, 36(4):c3, July/August 2010. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5532339.

Anonymous:2010:TIAd

[Ano10z] Anonymous. TSE information for authors. *IEEE Transactions on Software Engineering*, 36(5):c3, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5593046.

Anonymous:2010:TIAb

[Ano10-27] Anonymous. TSE information for authors. *IEEE Transactions on Software Engineering*, 36(6):c3, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5644737.

Anonymous:2011:AI

[Ano11a] Anonymous. 2010 annual index. *IEEE Transactions on Software Engineering*, 37(1):Online Only, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5704239.

Anonymous:2011:RL

[Ano11b] Anonymous. 2010 reviewers list. *IEEE Transactions on Software Engineering*, 37(1):142–144, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5704238.

Anonymous:2011:BCd

[Ano11c] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 37(1):c4, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5704241.

Anonymous:2011:BCc

[Ano11d] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 37(2):c4, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5739159.

Anonymous:2011:BCb

[Ano11e] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 37(3):c4, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://

ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5779019.

Anonymous:2011:BCf

[Ano11f] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 37(4):c4, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5966996.

Anonymous:2011:BCe

[Ano11g] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 37(5):c4, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6030118.

Anonymous:2011:BCa

[Ano11h] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 37(6):c4, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6095286.

Anonymous:2011:DYCb

[Ano11i] Anonymous. Distinguish yourself with the CSDP [advertisement]. *IEEE Transactions on Software Engineering*, 37(3):448, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5779017.

Anonymous:2011:DYCa

[Ano11j] Anonymous. Distinguish yourself with the CSDP [advertisement]. *IEEE Transactions on Software Engineering*, 37(4):592, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5966994.

Anonymous:2011:FCc

[Ano11k] Anonymous. [front cover]. *IEEE Transactions on Software Engineering*, 37(1):c1, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5704234.

Anonymous:2011:FCf

[Ano11l] Anonymous. [front cover]. *IEEE Transactions on Software Engineering*, 37(2):c1, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5739155.

Anonymous:2011:FCb

[Ano11m] Anonymous. [front cover]. *IEEE Transactions on Software Engineering*, 37(3): c1, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5779014.

Anonymous:2011:FCa

[Ano11n] Anonymous. [front cover]. *IEEE Transactions on Software Engineering*, 37(4):c1, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5966992.

Anonymous:2011:FCe

[Ano11o] Anonymous. [front cover]. *IEEE Transactions on Software Engineering*, 37(5): c1, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6030114.

Anonymous:2011:FCd

[Ano11p] Anonymous. [front cover]. *IEEE Transactions on Software Engineering*, 37(6):c1, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6095280.

Anonymous:2011:ICSa

[Ano11q] Anonymous. IEEE Computer Society magazines and transactions available in ePUB format [advertisement]. *IEEE Transactions on Software Engineering*, 37 (5):736, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6030116.

Anonymous:2011:ICSb

[Ano11r] Anonymous. IEEE Computer Society magazines and transactions available in ePUB format [advertisement]. *IEEE Transactions on Software Engineering*, 37 (6):878, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6095282.

Anonymous:2011:IBC

[Ano11s] Anonymous. [inside back cover]. *IEEE Transactions on Software Engineering*, 37 (6):c3, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.

org/stamp/stamp.jsp?arnumber=6095285.

Anonymous:2011:IFCf

[Ano11t] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 37(1):c2, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5704235.

Anonymous:2011:IFCd

[Ano11u] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 37(2):c2, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5739156.

Anonymous:2011:IFCa

[Ano11v] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 37(3):c2, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5779015.

Anonymous:2011:IFCe

[Ano11w] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 37(4):c2, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5966993.

Anonymous:2011:IFCc

[Ano11x] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 37(5):c2, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6030115.

Anonymous:2011:IFCb

[Ano11y] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 37(6):c2, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6095281.

Anonymous:2011:NTI

[Ano11z] Anonymous. New transactions issue alerts. *IEEE Transactions on Software Engineering*, 37(6):879, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6095283.

Anonymous:2011:TIAa

[Ano11-27] Anonymous. TSE information for authors. *IEEE Transactions on Software Engineering*, 37(1):c3, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5704240.

Anonymous:2011:TIAe

[Ano11-28] Anonymous. TSE information for authors. *IEEE Transactions on Software Engineering*, 37(2):c3, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5739158.

Anonymous:2011:TIAd

[Ano11-29] Anonymous. TSE information for authors. *IEEE Transactions on Software Engineering*, 37(3):c3, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5779018.

Anonymous:2011:TIAc

[Ano11-30] Anonymous. TSE information for authors. *IEEE Transactions on Software Engineering*, 37(4):c3, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5966995.

Anonymous:2011:TIAb

[Ano11-31] Anonymous. TSE information for authors. *IEEE Transactions on Software Engineering*, 37(5):c3, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6030117.

Anonymous:2011:WNT

[Ano11-32] Anonymous. What's new in transactions [advertisement]. *IEEE Transactions on Software Engineering*, 37 (6):880, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6095284.

Anonymous:2012:AI

[Ano12a] Anonymous. 2011 annual index. *IEEE Transactions on Software Engineering*, 38(1):Online Only–??, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6141073.

Anonymous:2012:RL

[Ano12b] Anonymous. 2011 reviewers list. *IEEE Transactions on Software Engineering*, 38(1): 236–238, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6141072.

Anonymous:2012:BCd

[Ano12c] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 38(1): c4, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6141077.

Anonymous:2012:BCe

[Ano12d] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 38(2):c4, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6173079.

Anonymous:2012:BCa

[Ano12e] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 38(3): c4, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6205672.

Anonymous:2012:BCc

[Ano12f] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 38(4):c4, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6249694.

Anonymous:2012:BCb

[Ano12g] Anonymous. [back cover]. *IEEE Transactions on Software Engineering*, 38(6):c4, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6363460.

Anonymous:2012:BIC

[Ano12h] Anonymous. [back inside cover]. *IEEE Transactions on Software Engineering*, 38 (6):c3, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6363459.

Anonymous:2012:Ca

[Ano12i] Anonymous. [cover2]. *IEEE Transactions on Software Engineering*, 38(2):c2, March/April 2012. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6173076.

Anonymous:2012:Cb

[Ano12j] Anonymous. [cover3]. *IEEE Transactions on Software Engineering*, 38(1):c3, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6141076.

Anonymous:2012:FICa

[Ano12k] Anonymous. [front inside cover]. *IEEE Transactions on Software Engineering*, 38(1):c2, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6141069.

Anonymous:2012:FICb

[Ano12l] Anonymous. [front inside cover]. *IEEE Transactions on Software Engineering*, 38(6):c2, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6363458.

Anonymous:2012:ICSa

[Ano12m] Anonymous. IEEE Computer Society [back cover]. *IEEE Transactions on Software Engineering*, 38(5):c4, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6311394.

Anonymous:2012:ICSb

[Ano12n] Anonymous. IEEE Computer Society OnlinePlus coming soon to TSE. *IEEE Transactions on Software Engineering*, 38(3):736, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6205670.

Anonymous:2012:IOA

[Ano12o] Anonymous. IEEE open access publishing [advertisement]. *IEEE Transactions on Software Engineering*, 38(5):1232, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6311396.

Anonymous:2012:IBCc

[Ano12p] Anonymous. [inside back cover]. *IEEE Transactions on Software Engineering*, 38(2):c3, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL

http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6173078.

Anonymous:2012:IBCa

[Ano12q] Anonymous. [inside back cover]. *IEEE Transactions on Software Engineering*, 38(3):c3, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6205671.

Anonymous:2012:IBCb

[Ano12r] Anonymous. [inside back cover]. *IEEE Transactions on Software Engineering*, 38(4):c3, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6249693.

Anonymous:2012:IFCb

[Ano12s] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 38(3):c2, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6205669.

Anonymous:2012:IFCc

[Ano12t] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 38(4):c2, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6249692.

Anonymous:2012:IFCa

[Ano12u] Anonymous. [inside front cover]. *IEEE Transactions on Software Engineering*, 38(5):c2, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6311392.

Anonymous:2012:IOV

[Ano12v] Anonymous. Introduction to OnlinePlus video [advertisement]. *IEEE Transactions on Software Engineering*, 38(1):239, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6141074.

Anonymous:2012:NTN

[Ano12w] Anonymous. New transactions newsletter [advertisement]. *IEEE Transactions on Software Engineering*, 38(4):992, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.

org/stamp/stamp.jsp?arnumber=6249695.

Anonymous:2012:OCS

[Ano12x] Anonymous. OnlinePlus coming soon to TSE [advertisement]. *IEEE Transactions on Software Engineering*, 38(6): 1488, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6363463.

Anonymous:2012:TCFf

[Ano12y] Anonymous. [table of contents — front cover]. *IEEE Transactions on Software Engineering*, 38(6):c1, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6363457.

Anonymous:2012:TCFd

[Ano12z] Anonymous. Table of contents [front cover]. *IEEE Transactions on Software Engineering*, 38(1):c1, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6141068.

Anonymous:2012:TCFa

[Ano12-27] Anonymous. Table of contents [front cover]. *IEEE Transactions on Software Engineering*, 38(2):c1, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6173075.

Anonymous:2012:TCFe

[Ano12-28] Anonymous. Table of contents [front cover]. *IEEE Transactions on Software Engineering*, 38(3):c1, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6205668.

Anonymous:2012:TCFc

[Ano12-29] Anonymous. Table of contents [front cover]. *IEEE Transactions on Software Engineering*, 38(4):c1, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6249798.

Anonymous:2012:TCFb

[Ano12-30] Anonymous. Table of contents [front cover]. *IEEE Transactions on Software Engineering*, 38(5):c1, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6311484.

Anonymous:2012:TIA

[Ano12-31] Anonymous. TSE information for authors [inside back cover]. *IEEE Transactions on Software Engineering*, 38 (5):c3, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6311393.

Anonymous:2012:WNT

[Ano12-32] Anonymous. What's new in transactions [advertisement]. *IEEE Transactions on Software Engineering*, 38 (1):240, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6141075.

Anonymous:2013:AI

[Ano13a] Anonymous. 2012 annual index. *IEEE Transactions on Software Engineering*, 39 (1):Not in print, January 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6397558.

Anonymous:2013:RL

[Ano13b] Anonymous. 2012 reviewers list. *IEEE Transactions on Software Engineering*, 39(1):141–144, January 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6397559.

Anonymous:2014:RL

[Ano14] Anonymous. 2013 reviewers list. *IEEE Transactions on Software Engineering*, 40(1):103–106, January 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6755631.

Anonymous:2015:IIT

[Ano15a] Anonymous. 2014 index *IEEE Transactions on Software Engineering* vol. 40. *IEEE Transactions on Software Engineering*, 41 (1):104–112, January 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7014339.

Anonymous:2015:RL

[Ano15b] Anonymous. 2014 reviewers list*. *IEEE Transactions on Software Engineering*, 41(1):100–103, January 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7004099.

Anonymous:2016:RL

[Ano16] Anonymous. 2015 reviewers list. *IEEE Transactions on Software Engineering*, 42(1):100–102, January 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7374786.

Anonymous:2017:IIT

[Ano17a] Anonymous. 2016 index *IEEE Transactions on Software Engineering* vol. 42. *IEEE Transactions on Software Engineering*, 43(1):1–8, January 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7809252.

Anonymous:2017:RL

[Ano17b] Anonymous. 2016 reviewers list*. *IEEE Transactions on Software Engineering*, 43(1):100–103, January 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7809238.

Anonymous:2018:IIT

[Ano18a] Anonymous. 2017 index *IEEE Transactions on Software Engineering* vol. 43. *IEEE Transactions on Software Engineering*, 44(1):1–9, January 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8249567.

Anonymous:2018:RL

[Ano18b] Anonymous. 2017 reviewers list*. *IEEE Transactions on Software Engineering*, 44(1):100–102, January 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8249563.

Anonymous:2019:IIT

[Ano19a] Anonymous. 2018 index IEEE Transactions on Software Engineering vol. 44. *IEEE Transactions on Software Engineering*, 45(1):1–9, January 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Anonymous:2019:RL

[Ano19b] Anonymous. 2018 reviewers list. *IEEE Transactions on Software Engineering*, 45(1): 107–110, January 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Athanasiou:2014:TCQ

[ANVZ14] D. Athanasiou, A. Nugroho, J. Visser, and A. Zaidman.

Test code quality and its relation to issue handling performance. *IEEE Transactions on Software Engineering*, 40 (11):1100–1125, November 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6862882`.

Arcuri:2012:TEA

[Arc12] A. Arcuri. A theoretical and empirical analysis of the role of test sequence length in software testing for structural coverage. *IEEE Transactions on Software Engineering*, 38(3):497–519, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5750005`.

Armaly:2018:CPC

[ARM18] Ameer Armaly, Paige Rodeghero, and Collin McMillan. A comparison of program comprehension strategies by blind and sighted programmers. *IEEE Transactions on Software Engineering*, 44 (8):712–724, August 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `https://ieeexplore.ieee.org/document/7987041/`.

Arora:2015:ACC

[ASBZ15] C. Arora, M. Sabetzadeh, L. Briand, and F. Zimmer. Automated checking of conformance to requirements templates using natural language processing. *IEEE Transactions on Software Engineering*, 41(10):944–968, October 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7100933`.

Arora:2017:AEC

[ASBZ17] C. Arora, M. Sabetzadeh, L. Briand, and F. Zimmer. Automated extraction and clustering of requirements glossary terms. *IEEE Transactions on Software Engineering*, 43(10):918–945, October 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7765062`.

Alves:2018:RIS

[ASM+18] Everton L. G. Alves, Myoungkyu Song, Tiago Massoni, Patrícia D. L. Machado, and Miryung Kim. Refactoring inspection support for manual refactoring edits. *IEEE Transactions on Software Engineering*, 44(4):365–383, April 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.`

org/stamp/stamp.jsp?arnumber=7874212.

Belli:2015:EMM

[BB15] F. Belli and M. Beyazıt. Exploiting model morphology for event-based testing. *IEEE Transactions on Software Engineering*, 41 (2):113–134, February 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6915728.

Beschastnikh:2015:UDS

[BBA+15] I. Beschastnikh, Y. Brun, J. Abrahamson, M. D. Ernst, and A. Krishnamurthy. Using declarative specification to improve the understanding, extensibility, and comparison of model-inference algorithms. *IEEE Transactions on Software Engineering*, 41(4):408–428, April 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6951474.

Balzarotti:2010:ETS

[BBC+10] D. Balzarotti, G. Banks, M. Cova, V. Felmetsger, R. Kemmerer, W. Robertson, F. Valeur, and G. Vigna. An experience in testing the security of real-world electronic voting systems. *IEEE Transactions on Software Engineering*, 36(4):453–473, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5210119.

Bate:2017:EBP

[BBD17] I. Bate, A. Burns, and R. I. Davis. An enhanced bailout protocol for mixed criticality embedded software. *IEEE Transactions on Software Engineering*, 43(4):298–320, April 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7516652.

Bossi:2017:SPM

[BBH17] L. Bossi, E. Bertino, and S. R. Hussain. A system for profiling and monitoring database access patterns by application programs for anomaly detection. *IEEE Transactions on Software Engineering*, 43(5):415–431, May 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7534833.

Bowman:2010:SCR

[BBL10] M. Bowman, L. C. Briand, and Y. Labiche. Solving the class responsibility assignment problem in object-oriented analysis with multi-objective genetic algorithms. *IEEE Transactions on Software Engineering*, 36(6):817–837, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5530324.

Bishop:2011:TFC

[BBL+11] P. Bishop, R. Bloomfield, B. Littlewood, A. Povyakalo, and D. Wright. Toward a formalism for conservative claims about the dependability of software-based systems. *IEEE Transactions on Software Engineering*, 37(5):708–717, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5492693.

Bosu:2017:PAS

[BCB+17] A. Bosu, J. C. Carver, C. Bird, J. Orbeck, and C. Chockley. Process aspects and social dynamics of contemporary code review: Insights from open source development and industrial practice at Microsoft. *IEEE Transactions on Software Engineering*, 43(1):56–75, January 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7484733.

Banerjee:2018:ERR

[BCBR18] Abhijeet Banerjee, Lee Kee Chong, Clément Ballabriga, and Abhik Roychoudhury. EnergyPatch: Repairing resource leaks to improve energy-efficiency of Android apps. *IEEE Transactions on Software Engineering*, 44(5):470–490, May 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7889026/.

Betts:2018:IEC

[BCD+18] Adam Betts, Nathan Chong, Pantazis Deligiannis, Alastair F. Donaldson, and Jeroen Ketema. Implementing and evaluating candidate-based invariant generation. *IEEE Transactions on Software Engineering*, 44(7):631–650, July 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7955079/.

Basin:2014:MDM

[BCE+14] D. Basin, M. Clavel, M. Egea, M. A. G. de Dios, and C. Dania. A model-driven methodology for developing secure data-management applications. *IEEE Transactions on Software Engineering*, 40(4):324–337, April

2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6698396.

Bernardeschi:2018:PSI

[BDM18] Cinzia Bernardeschi, Andrea Domenici, and Paolo Masci. A PVS-Simulink integrated environment for model-based analysis of cyber-physical systems. *IEEE Transactions on Software Engineering*, 44(6):512–533, June 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7900400/.

Baluda:2016:BSA

[BDP16] M. Baluda, G. Denaro, and M. Pezzè. Bidirectional symbolic analysis for effective branch testing. *IEEE Transactions on Software Engineering*, 42(5):403–426, May 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7296670.

Basciani:2020:ASO

[BDR+20] F. Basciani, M. D'Emidio, D. D. Ruscio, D. Frigioni, L. Iovino, and A. Pierantonio. Automated selection of optimal model transformation chains via shortest-path algorithms. *IEEE Transactions on Software Engineering*, 46(3):251–279, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Baresi:2011:SSB

[BG11] L. Baresi and S. Guinea. Self-supervising BPEL processes. *IEEE Transactions on Software Engineering*, 37(2):247–263, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5432226.

Barbosa:2018:GAR

[BG18] Eiji Adachi Barbosa and Alessandro Garcia. Global-aware recommendations for repairing violations in exception handling. *IEEE Transactions on Software Engineering*, 44(9):855–873, September 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7953550/.

Baresi:2011:LVP

[BGM11] L. Baresi, C. Ghezzi, and L. Mottola. Loupe: Verifying publish–subscribe architectures with a magnifying lens. *IEEE Transactions on Software Engineering*, 37(2):228–246, March/April 2011. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5432228.

Baresi:2017:EDU

[BGMM17] L. Baresi, C. Ghezzi, X. Ma, and V. P. L. Manna. Efficient dynamic updates of distributed components through version consistency. *IEEE Transactions on Software Engineering*, 43(4):340–358, April 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7516718.

Beller:2019:DTI

[BGP+19] Moritz Beller, Georgios Gousios, Annibale Panichella, Sebastian Proksch, Sven Amann, and Andy Zaidman. Developer testing in the IDE: Patterns, beliefs, and behavior. *IEEE Transactions on Software Engineering*, 45(3):261–284, March 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8116886/.

Barbosa:2016:EEH

[BGRJ16] E. A. Barbosa, A. Garcia, M. P. Robillard, and B. Jakobus. Enforcing exception handling policies with a domain-specific language. *IEEE Transactions on Software Engineering*, 42(6):559–584, June 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7348692.

Brandt:2013:EPS

[BGS+13] J. Brandt, M. Gemünde, K. Schneider, S. K. Shukla, and J. P. Talpin. Embedding polychrony into synchrony. *IEEE Transactions on Software Engineering*, 39(7):917–929, July 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6381420.

Bodden:2010:AOR

[BH10] E. Bodden and K. Havelund. Aspect-oriented race detection in Java. *IEEE Transactions on Software Engineering*, 36(4):509–527, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5406531.

Baker:2013:EEM

[BH13] R. Baker and I. Habli. An empirical evaluation of mutation testing for improving the test quality of safety-critical software. *IEEE Transactions on Software Engi-*

neering, 39(6):787–805, June 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6298894.

Bergel:2011:FLS

[BHCC11] A. Bergel, W. Harrison, V. Cahill, and S. Clarke. FlowTalk: Language support for long-latency operations in embedded devices. *IEEE Transactions on Software Engineering*, 37(4):526–543, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5492692.

Brun:2013:EDC

[BHEN13] Y. Brun, R. Holmes, M. D. Ernst, and D. Notkin. Early detection of collaboration conflicts and risks. *IEEE Transactions on Software Engineering*, 39(10): 1358–1375, October 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6520859.

Basin:2013:MDU

[BHKZ13] D. Basin, M. Harvan, F. Klaedtke, and E. Zalinescu. Monitoring data usage in distributed systems. *IEEE Transactions on Software Engineering*, 39(10):1403–1426, October 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6493331.

Barr:2015:OPS

[BHM+15] E. T. Barr, M. Harman, P. McMinn, M. Shahbaz, and S. Yoo. The oracle problem in software testing: A survey. *IEEE Transactions on Software Engineering*, 41(5):507–525, May 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6963470.

Bennaceur:2015:ASM

[BI15] A. Bennaceur and V. Issarny. Automated synthesis of mediators to support component interoperability. *IEEE Transactions on Software Engineering*, 41(3):221–240, March 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6936339.

Bendraou:2010:CSU

[BJGB10] R. Bendraou, J. M. Jezequel, M. P. Gervais, and X. Blanc. A comparison of six UML-based languages for software process modeling. *IEEE Transactions on Software Engineering*, 36(5): 662–675, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5593045.

Brosch:2012:ABR

[BKBR12] F. Brosch, H. Koziolek, B. Buhnova, and R. Reussner. Architecture-based reliability prediction with the Palladio component model. *IEEE Transactions on Software Engineering*, 38(6):1319–1339, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6018968.

Bollig:2010:LCA

[BKKL10] B. Bollig, J. P. Katoen, C. Kern, and M. Leucker. Learning communicating automata from MSCs. *IEEE Transactions on Software Engineering*, 36(3):390–408, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5374425.

Bartel:2014:SAE

[BKML14] A. Bartel, J. Klein, M. Monperrus, and Y. Le Traon. Static analysis for extracting permission checks of a large scale framework: The challenges and solutions for analyzing android. *IEEE Transactions on Software Engineering*, 40(6):617–632, June 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6813664.

Bennin:2018:MDB

[BKP+18] Kwabena Ebo Bennin, Jacky Keung, Passakorn Phannachitta, Akito Monden, and Solomon Mensah. MAHAKIL: Diversity based oversampling approach to alleviate the class imbalance issue in software defect prediction. *IEEE Transactions on Software Engineering*, 44(6):534–550, June 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7990590/.

Bavota:2015:IAC

[BLVBC+15] G. Bavota, M. Linares-Vásquez, C. E. Bernal-Cárdenas, M. D. Penta, R. Oliveto, and D. Poshyvanyk. The impact of API change- and fault-proneness on the user ratings of Android apps. *IEEE Transactions on Software Engineering*, 41(4):384–407, April 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-

3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6945855.

Bian:2019:DBD

[BLZ+19] P. Bian, B. Liang, Y. Zhang, C. Yang, W. Shi, and Y. Cai. Detecting bugs by discovering expectations and their violations. *IEEE Transactions on Software Engineering*, 45(10):984–1001, October 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). See corrections [BLZ+20].

Bian:2020:CDB

[BLZ+20] P. Bian, B. Liang, Y. Zhang, C. Yang, W. Shi, and Y. Cai. Corrections to “Detecting Bugs by Discovering Expectations and Their Violations”. *IEEE Transactions on Software Engineering*, 46(1):113, January 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). See [BLZ+19].

Brosig:2015:QEM

[BMB+15] F. Brosig, P. Meier, S. Becker, A. Koziolek, H. Koziolek, and S. Kounev. Quantitative evaluation of model-driven performance analysis and simulation of component-based architectures. *IEEE Transactions on Software Engineering*, 41(2):157–175, February 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6920061.

Bianchi:2018:SRT

[BMP18] Francesco Adalberto Bianchi, Alessandro Margara, and Mauro Pezzè. A survey of recent trends in testing concurrent software systems. *IEEE Transactions on Software Engineering*, 44(8):747–783, August 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7932530/.

Beckman:2010:PT

[BNR+10] N. E. Beckman, A. V. Nori, S. K. Rajamani, R. J. Simmons, S. D. Tetali, and A. V. Thakur. Proofs from tests. *IEEE Transactions on Software Engineering*, 36(4):495–508, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5444886.

Bavota:2014:MRM

[BOG+14] G. Bavota, R. Oliveto, M. Gethers, D. Poshyvanyk, and A. De Lucia. Methodbook: Recommending move method refactorings via relational topic models. *IEEE Transactions on Software Engineering*, 40(7):671–694, July 2014. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6684534.

Bohme:2016:PAE

[BP16a] M. Böhme and S. Paul. A probabilistic analysis of the efficiency of automated software testing. *IEEE Transactions on Software Engineering*, 42(4):345–360, April 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7289448.

Borstler:2016:RMC

[BP16b] J. Börstler and B. Paech. The role of method chains and comments in software readability and comprehension — an experiment. *IEEE Transactions on Software Engineering*, 42(9):886–898, September 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7404062.

Baah:2010:PPD

[BPH10] G. K. Baah, A. Podgurski, and M. J. Harrold. The probabilistic program dependence graph and its application to fault diagnosis. *IEEE Transactions on Software Engineering*, 36(4):528–545, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5374423.

Bruce:2019:AOS

[BPHB19] B. R. Bruce, J. Petke, M. Harman, and E. T. Barr. Approximate oracles and synergy in software energy search spaces. *IEEE Transactions on Software Engineering*, 45(11):1150–1169, November 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Bohme:2019:CBG

[BPR19] M. Böhme, V. Pham, and A. Roychoudhury. Coverage-based greybox fuzzing as Markov chain. *IEEE Transactions on Software Engineering*, 45(5):489–506, May 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Berthier:2016:DAM

[BRDG16] N. Berthier, É. Rutten, N. De Palma, and S. M. K. Gueye. Designing autonomic management systems by using reactive control techniques. *IEEE Transactions on Software Engineering*, 42(7):640–657, July 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.

org/stamp/stamp.jsp?arnumber=7360217.

Burgy:2011:ZLB

[BRLM11] L. Burgy, L. Reveillere, J. Lawall, and G. Muller. Zebu: A language-based approach for network protocol message processing. *IEEE Transactions on Software Engineering*, 37(4): 575–591, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5487528.

Bergersen:2014:CVI

[BSD14] G. R. Bergersen, D. I. K. Sjøberg, and T. Dybå. Construction and validation of an instrument for measuring programming skill. *IEEE Transactions on Software Engineering*, 40(12): 1163–1184, December 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6882243.

Bagheri:2015:CCA

[BSGM15] H. Bagheri, A. Sadeghi, J. Garcia, and S. Malek. COVERT: Compositional analysis of Android inter-app permission leakage. *IEEE Transactions on Software Engineering*, 41(9):866–886, September 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7079508.

Bick:2018:CCL

[BSH+18] Saskia Bick, Kai Spohrer, Rashina Hoda, Alexander Scheerer, and Armin Heinzl. Coordination challenges in large-scale software development: A case study of planning misalignment in hybrid settings. *IEEE Transactions on Software Engineering*, 44(10):932–950, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7990187/.

Berger:2013:SVM

[BSL+13] T. Berger, S. She, R. Lotufo, A. Wasowski, and K. Czarnecki. A study of variability models and languages in the systems software domain. *IEEE Transactions on Software Engineering*, 39 (12):1611–1640, December 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6572787.

Bryce:2011:DSM

[BSM11] R. C. Bryce, S. Sampath, and A. M. Memon. Developing a single model and test prioritization strategies for event-driven software. *IEEE Transactions on Software Engineering*, 37 (1):48–64, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5401169.

Banerjee:2017:DBR

[BSM17] K. Banerjee, D. Sarkar, and C. Mandal. Deriving bisimulation relations from path extension based equivalence checkers. *IEEE Transactions on Software Engineering*, 43(10):946–953, October 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7801117.

Burdalo:2012:AEG

[BTEGF12] L. Búrdalo, A. Terrasa, A. Espinosa, and A. García-Fornes. Analyzing the effect of gain time on soft-task scheduling policies in real-time systems. *IEEE Transactions on Software Engineering*, 38(6):1305–1318, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6025357.

Bagheri:2017:ASD

[BTS17] H. Bagheri, C. Tang, and K. Sullivan. Automated synthesis and dynamic analysis of tradeoff spaces for object-relational mapping. *IEEE Transactions on Software Engineering*, 43(2):145–163, February 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7506009.

Burgueno:2015:SFL

[BTWV15] L. Burgueño, J. Troya, M. Wimmer, and A. Vallecillo. Static fault localization in model transformations. *IEEE Transactions on Software Engineering*, 41(5):490–506, May 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6967841.

Blincoe:2015:FCB

[BVD15] K. Blincoe, G. Valetto, and D. Damian. Facilitating coordination between software developers: A study and techniques for timely and efficient recommendations. *IEEE Transactions on Software Engineering*, 41 (10):969–985, October 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-

3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7105409.

Buse:2010:LMC

[BW10] R. P. L. Buse and W. R. Weimer. Learning a metric for code readability. *IEEE Transactions on Software Engineering*, 36(4): 546–558, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5332232.

Brickey:2012:CSA

[BWB12] J. Brickey, S. Walczak, and T. Burgess. Comparing semi-automated clustering methods for persona development. *IEEE Transactions on Software Engineering*, 38(3):537–546, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5928355.

Borg:2017:SCI

[BWRR17] M. Borg, K. Wnuk, B. Regnell, and P. Runeson. Supporting change impact analysis using a recommendation system: An industrial case study in a safety-critical context. *IEEE Transactions on Software Engineering*, 43(7):675–700, July 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7637029.

Bao:2019:VRI

[BXXL19] L. Bao, Z. Xing, X. Xia, and D. Lo. VT-Revolution: Interactive programming video tutorial authoring and watching system. *IEEE Transactions on Software Engineering*, 45(8):823–838, August 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Brun:2015:SAR

[ByBEM15] Y. Brun, J. y. Bang, G. Edwards, and N. Medvidovic. Self-adapting reliability in distributed software systems. *IEEE Transactions on Software Engineering*, 41 (8):764–780, August 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7058381.

Bai:2018:TMC

[BYW$^+$18] Guangdong Bai, Quanqi Ye, Yongzheng Wu, Heila Botha, Jun Sun, Yang Liu, Jin Song Dong, and Willem Visser. Towards model checking Android applications. *IEEE Transactions on Software Engineering*, 44(6):595–612, June 2018. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7911333/.

Charalampidou:2017:IEM

[CAC+17] S. Charalampidou, A. Ampatzoglou, A. Chatzigeorgiou, A. Gkortzis, and P. Avgeriou. Identifying extract method refactoring opportunities based on functional relevance. *IEEE Transactions on Software Engineering*, 43(10):954–974, October 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7801138.

Cai:2018:HPD

[Cai18] Haipeng Cai. Hybrid program dependence approximation for effective dynamic impact prediction. *IEEE Transactions on Software Engineering*, 44(4):334–364, April 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7895205/.

Chen:2017:SAO

[CB17] T. Chen and R. Bahsoon. Self-adaptive and online QoS modeling for cloud-based software services. *IEEE Transactions on Software Engineering*, 43(5):453–475, May 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7572219.

Cassou:2012:TTB

[CBCB12] D. Cassou, J. Bruneau, C. Consel, and E. Balland. Toward a tool-based development methodology for pervasive computing applications. *IEEE Transactions on Software Engineering*, 38(6):1445–1463, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6051438.

Ciolek:2017:IMA

[CBD+17] D. Ciolek, V. Braberman, N. D'Ippolito, N. Piterman, and S. Uchitel. Interaction models and automated control under partial observable environments. *IEEE Transactions on Software Engineering*, 43(1):19–33, January 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7466810.

Cai:2014:MSD

[CC14] Y. Cai and W. K. Chan. Magiclock: Scalable detection of potential deadlocks in large-scale multithreaded programs. *IEEE Transactions on Software Engineering*, 40(3):266–281, March 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6718069.

Chaikalis:2015:FJS

[CC15] T. Chaikalis and A. Chatzigeorgiou. Forecasting Java software evolution trends employing network models. *IEEE Transactions on Software Engineering*, 41(6):582–602, June 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6985636.

Cardellini:2012:MFQ

[CCG+12] V. Cardellini, E. Casalicchio, V. Grassi, S. Iannucci, F. L. Presti, and R. Mirandola. MOSES: A framework for QoS driven runtime adaptation of service-oriented systems. *IEEE Transactions on Software Engineering*, 38(5):1138–1159, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5963694.

Collingbourne:2014:SCD

[CCK14] P. Collingbourne, C. Cadar, and P. H. J. Kelly. Symbolic crosschecking of data-parallel floating-point code. *IEEE Transactions on Software Engineering*, 40(7):710–737, July 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6698391.

Cinque:2013:ELA

[CCP13] M. Cinque, D. Cotroneo, and A. Pecchia. Event logs for the analysis of software failures: A rule-based approach. *IEEE Transactions on Software Engineering*, 39(6):806–821, June 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6320555.

Classen:2013:FTS

[CCS+13] A. Classen, M. Cordy, P. Y. Schobbens, P. Heymans, A. Legay, and J. F. Raskin. Featured transition systems: Foundations for verifying variability-intensive systems and their application to LTL model checking. *IEEE Transactions on Software Engineering*, 39(8):1069–1089, August 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6389685.

Coronato:2012:TRP

[CD12] A. Coronato and G. De Pietro. Tools for the rapid prototyping of provably correct ambient intelligence applications. *IEEE Transactions on Software Engineering*, 38(4):975–991, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5963693.

Coppa:2014:ISP

[CDF14] E. Coppa, C. Demetrescu, and I. Finocchi. Input-sensitive profiling. *IEEE Transactions on Software Engineering*, 40(12):1185–1205, December 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6858059.

Cuadrado:2012:AES

[CDGC12] F. Cuadrado, J. C. Duenas, and R. Garcia-Carmona. An autonomous engine for services configuration and deployment. *IEEE Transactions on Software Engineering*, 38(3):520–536, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5728830.

Choetkiertikul:2018:PDC

[CDT+18] Morakot Choetkiertikul, Hoa Khanh Dam, Truyen Tran, Aditya Ghose, and John Grundy. Predicting delivery capability in iterative software development. *IEEE Transactions on Software Engineering*, 44(6):551–573, June 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7898472/.

Choetkiertikul:2019:DLM

[CDT+19] M. Choetkiertikul, H. K. Dam, T. Tran, T. Pham, A. Ghose, and T. Menzies. A deep learning model for estimating story points. *IEEE Transactions on Software Engineering*, 45(7):637–656, July 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Cataldo:2011:GEI

[CEM11] M. Cataldo, K. Ehrlich, and A. Mockus. Guest Editors' introduction: Special section on the socio-technical environment of software development projects. *IEEE Transactions on Software Engineering*, 37(3):305–306, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5779016.

Cordeiro:2012:SBB

[CFMS12] L. Cordeiro, B. Fischer, and J. Marques-Silva. SMT-based bounded model checking for embedded ANSI-C software. *IEEE Transactions on Software Engineering*, 38(4):957–974, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5928354.

Cunha:2015:EEV

[CFMS15] J. Cunha, J. P. Fernandes, J. Mendes, and J. Saraiva. Embedding, evolution, and validation of model-driven spreadsheets. *IEEE Transactions on Software Engineering*, 41(3):241–263, March 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6915751.

Clariso:2019:SBS

[CGC19] R. Clarisó, C. A. González, and J. Cabot. Smart bound selection for the verification of UML/OCL class diagrams. *IEEE Transactions on Software Engineering*, 45(4):412–426, April 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Cuadrado:2014:CMM

[CGdL14] J. S. Cuadrado, E. Guerra, and J. de Lara. A component model for model transformations. *IEEE Transactions on Software Engineering*, 40(11):1042–1060, November 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6858077.

Cuadrado:2017:SAM

[CGdL17] J. S. Cuadrado, E. Guerra, and J. de Lara. Static analysis of model transformations. *IEEE Transactions on Software Engineering*, 43(9):868–897, September 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7765073.

Calinescu:2011:DQM

[CGK+11] R. Calinescu, L. Grunske, M. Kwiatkowska, R. Mirandola, and G. Tamburrelli. Dynamic QoS management and optimization in service-based systems. *IEEE Transactions on Software Engineering*, 37(3):387–409, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5611553.

Chari:2019:FRE

[CGMD19] G. Chari, D. Garbervetsky, S. Marr, and S. Ducasse. Fully reflective execution environments: Virtual machines for more flexible software. *IEEE Transactions on Software Engineering*, 45(9):858–876, September 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Caporuscio:2016:GFD

[CGMM16] M. Caporuscio, V. Grassi, M. Marzolla, and R. Mirandola. GoPrime: A fully decentralized middleware for utility-aware service assembly. *IEEE Transactions on Software Engineering*, 42(2):136–152, February 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7243346`.

Cataldo:2013:CBT

[CH13] M. Cataldo and J. D. Herbsleb. Coordination breakdowns and their impact on development productivity and software failures. *IEEE Transactions on Software Engineering*, 39(3):343–360, March 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6205767`.

Chalin:2010:ESA

[Cha10] P. Chalin. Engineering a sound assertion semantics for the verifying compiler. *IEEE Transactions on Software Engineering*, 36(2):275–287, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5262949`.

Chen:2015:SST

[CK15] N. Chen and S. Kim. STAR: Stack trace based automatic crash reproduction via symbolic execution. *IEEE Transactions on Software Engineering*, 41(2):198–220, February 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6926857`.

Casale:2012:BEW

[CKKR12] G. Casale, A. Kalbasi, D. Krishnamurthy, and J. Rolia. BURN: Enabling workload burstiness in customized service benchmarks. *IEEE Transactions on Software Engineering*, 38(4):778–793, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.`

org/stamp/stamp.jsp?arnumber=5928353.

Cooray:2013:PSA

[CKMR13] D. Cooray, E. Kouroshfar, S. Malek, and R. Roshandel. Proactive self-adaptation for improving the reliability of mission-critical, embedded, and mobile software. *IEEE Transactions on Software Engineering*, 39 (12):1714–1735, December 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6574866.

Cai:2016:DTD

[CL16] Y. Cai and Q. Lu. Dynamic testing for deadlocks via constraints. *IEEE Transactions on Software Engineering*, 42(9):825–842, September 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7423814.

Carr:2017:ACI

[CLP17] S. A. Carr, F. Logozzo, and M. Payer. Automatic contract insertion with CCBot. *IEEE Transactions on Software Engineering*, 43(8):701–714, August 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7736073.

Casale:2012:DBM

[CMCS12] G. Casale, N. Mi, L. Cherkasova, and E. Smirni. Dealing with burstiness in multi-tier applications: Models and their parameterization. *IEEE Transactions on Software Engineering*, 38(5):1040–1053, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6311395.

Concas:2011:DBE

[CMM+11] G. Concas, M. Marchesi, A. Murgia, R. Tonelli, and I. Turnu. On the distribution of bugs in the eclipse system. *IEEE Transactions on Software Engineering*, 37(6):872–877, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5928349.

Canfora:2019:LFT

[CMM+19] G. Canfora, F. Martinelli, F. Mercaldo, V. Nardone, A. Santone, and C. A. Visaggio. LEILA: Formal tool for identifying mobile malicious behaviour. *IEEE Transactions on Software Engineering*, 45(12):1230–1252, December 2019. CO-

DEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Carvajal:2013:UTS

[CMSSS13] L. Carvajal, A. M. Moreno, M. I. Sánchez-Segura, and A. Seffah. Usability through software design. *IEEE Transactions on Software Engineering*, 39(11):1582–1596, November 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6523225`.

Chen:2019:SBO

[CNKM19] J. Chen, V. Nair, R. Krishna, and T. Menzies. Sampling as a baseline optimizer for search-based software engineering. *IEEE Transactions on Software Engineering*, 45 (6):597–614, June 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Clarke:2015:ERB

[COLY15] P. Clarke, R. V. O'Connor, B. Leavy, and M. Yilmaz. Exploring the relationship between software process adaptive capability and organisational performance. *IEEE Transactions on Software Engineering*, 41 (12):1169–1183, December 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7214314`.

Cotroneo:2016:RTT

[CPR16] D. Cotroneo, R. Pietrantuono, and S. Russo. RELAI testing: A technique to assess and improve software reliability. *IEEE Transactions on Software Engineering*, 42(5):452–475, May 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7299696`.

Chen:2012:DDC

[CPTT12] T. Y. Chen, P. L. Poon, S. F. Tang, and T. H. Tse. DESSERT: a DividE-and-conquer methodology for identifying categorieS, choiceS, and choicE Relations for Test case generation. *IEEE Transactions on Software Engineering*, 38(4):794–809, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5963695`.

Carnevali:2013:CVH

[CPV13] L. Carnevali, A. Pinzuti, and E. Vicario. Compositional verification for hierarchical scheduling of real-time systems. *IEEE Transactions on Software Engi-*

neering, 39(5):638–657, May 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6264049.

Carnevali:2011:PPT

[CRV11] L. Carnevali, L. Ridi, and E. Vicario. Putting preemptive time Petri nets to work in a V-Model SW life cycle. *IEEE Transactions on Software Engineering*, 37(6):826–844, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5680913.

Carnevali:2013:QAI

[CRV13] L. Carnevali, L. Ridi, and E. Vicario. A quantitative approach to input generation in real-time testing of stochastic systems. *IEEE Transactions on Software Engineering*, 39(3):292–304, March 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6226426.

Chavez:2016:ACC

[CSF+16] H. M. Chavez, W. Shen, R. B. France, B. A. Mechling, and G. Li. An approach to checking consistency between UML class model and its Java implementation. *IEEE Transactions on Software Engineering*, 42(4):322–344, April 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7294689.

Chen:2016:FEP

[CSJ+16] T. H. Chen, W. Shang, Z. M. Jiang, A. E. Hassan, M. Nasser, and P. Flora. Finding and evaluating the performance impact of redundant data access for applications that are developed using object-relational mapping frameworks. *IEEE Transactions on Software Engineering*, 42(12):1148–1161, December 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7451264.

Crnkovic:2011:CFS

[CSVC11] I. Crnkovic, S. Sentilles, A. Vulgarakis, and M. R. V. Chaudron. A classification framework for software component models. *IEEE Transactions on Software Engineering*, 37(5):593–615, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5587419.

Chen:2013:EEU

[CT13] H. Y. Chen and T. H. Tse. Equality to equals and unequals: A revisit of the equivalence and nonequivalence criteria in class-level testing of object-oriented software. *IEEE Transactions on Software Engineering*, 39 (11):1549–1563, November 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6570471`.

Chen:2011:SPI

[CTZ11] T. Y. Chen, T. H. Tse, and Z. Q. Zhou. Semi-Proving: An integrated method for program proving, testing, and debugging. *IEEE Transactions on Software Engineering*, 37(1): 109–125, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5406529`.

Calinescu:2018:ETS

[CWG+18] Radu Calinescu, Danny Weyns, Simos Gerasimou, Muhammad Usman Iftikhar, Ibrahim Habli, and Tim Kelly. Engineering trustworthy self-adaptive software with dynamic assurance cases. *IEEE Transactions on Software Engineering*, 44(11):1039–1069, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `https://ieeexplore.ieee.org/document/8008800/`.

Casagrande:2014:NKS

[CWW+14] E. Casagrande, S. Woldeamlak, W. L. Woon, H. H. Zeineldin, and D. Svetinovic. NLP-KAOS for systems goal elicitation: Smart metering system case study. *IEEE Transactions on Software Engineering*, 40(10):941–956, October 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6857327`.

Cai:2019:DRS

[CXK+19] Y. Cai, L. Xiao, R. Kazman, R. Mo, and Q. Feng. Design rule spaces: A new model for representing and analyzing software architecture. *IEEE Transactions on Software Engineering*, 45(7): 657–682, July 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Chen:2011:DSU

[CYH+11] H. Chen, J. Yu, C. Hang, B. Zang, and P. C. Yew. Dynamic software updating using a relaxed consistency model. *IEEE Transactions on Software Engineering*, 37(5):

679–694, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5551162.

Chen:2013:ACO

[CZ13] W. N. Chen and J. Zhang. Ant colony optimization for software project scheduling and staffing with an event-based scheduler. *IEEE Transactions on Software Engineering*, 39(1):1–17, January 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6165315.

Cornelissen:2011:CEP

[CZvD11] B. Cornelissen, A. Zaidman, and A. van Deursen. A controlled experiment for program comprehension through trace visualization. *IEEE Transactions on Software Engineering*, 37(3):341–355, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5441291.

Dwyer:2016:CSS

[DBF+16] M. B. Dwyer, E. Bodden, B. Fitzgerald, M. Kim, S. Kim, A. J. Ko, E. Mendes, R. Mirandola, A. Moreira, F. Shull, S. Siegel, T. Xie, and C. Zhang. Connecting and serving the software engineering community. *IEEE Transactions on Software Engineering*, 42(3):203–280, March 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7432058.

diBella:2013:PPS

[dBFP+13] E. di Bella, I. Fronza, N. Phaphoom, A. Sillitti, G. Succi, and J. Vlasenko. Pair programming and software defects — a large, industrial case study. *IEEE Transactions on Software Engineering*, 39(7):930–953, July 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6331491.

Dashevskyi:2019:STD

[DBM19] S. Dashevskyi, A. D. Brucker, and F. Massacci. A screening test for disclosed vulnerabilities in FOSS components. *IEEE Transactions on Software Engineering*, 45(10):945–966, October 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

deCaso:2012:AAC

[dCBGU12] G. de Caso, V. Braberman, D. Garbervetsky, and

S. Uchitel. Automated abstractions for contract validation. *IEEE Transactions on Software Engineering*, 38(1): 141–162, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5639021.

Diaz:2014:SVN

[DCMS14] G. Díaz, M. E. Cambronero, E. Martínez, and G. Schneider. Specification and verification of normative texts using C-O diagrams. *IEEE Transactions on Software Engineering*, 40(8):795–817, August 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6657668.

daCosta:2017:FER

[dCMS+17] D. A. da Costa, S. McIntosh, W. Shang, U. Kulesza, R. Coelho, and A. E. Hassan. A framework for evaluating the results of the SZZ approach for identifying bug-introducing changes. *IEEE Transactions on Software Engineering*, 43(7):641–657, July 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7588121.

Damevski:2018:PFD

[DCS+18] Kostadin Damevski, Hui Chen, David C. Shepherd, Nicholas A. Kraft, and Lori Pollock. Predicting future developer behavior in the IDE using topic models. *IEEE Transactions on Software Engineering*, 44(11):1100–1111, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8024001/.

DeLucia:2011:ISC

[DDO11] A. De Lucia, M. Di Penta, and R. Oliveto. Improving source code lexicon via traceability and information retrieval. *IEEE Transactions on Software Engineering*, 37(2):205–227, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5601742.

Degano:2016:TCL

[DFG16] P. Degano, G. L. Ferrari, and L. Galletta. A two-component language for adaptation: Design, semantics and program analysis. *IEEE Transactions on Software Engineering*, 42(6):505–529, June 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.

org/stamp/stamp.jsp?arnumber=7314969.

Dieste:2011:SRA

[DJ11] O. Dieste and N. Juristo. Systematic review and aggregation of empirical studies on elicitation techniques. *IEEE Transactions on Software Engineering*, 37(2): 283–304, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5416730.

Dallmeier:2012:AGT

[DKM+12] V. Dallmeier, N. Knopp, C. Mallon, G. Fraser, S. Hack, and A. Zeller. Automatically generating test cases for specification mining. *IEEE Transactions on Software Engineering*, 38(2):243–257, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6044587.

Duran-Limon:2015:OBP

[DLGRCBC15] H. A. Duran-Limon, C. A. Garcia-Rios, F. E. Castillo-Barrera, and R. Capilla. An ontology-based product architecture derivation approach. *IEEE Transactions on Software Engineering*, 41 (12):1153–1168, December 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7134799.

Duboc:2013:SES

[DLR13] L. Duboc, E. Letier, and D. S. Rosenblum. Systematic elaboration of scalability requirements through goal-obstacle analysis. *IEEE Transactions on Software Engineering*, 39(1):119–140, January 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6152130.

delaVara:2016:ISS

[dlVBWM16] J. L. de la Vara, M. Borg, K. Wnuk, and L. Moonen. An industrial survey of safety evidence change impact analysis practice. *IEEE Transactions on Software Engineering*, 42 (12):1095–1117, December 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7450627.

Damas:2014:ACD

[DLvL14] C. Damas, B. Lambeau, and A. van Lamsweerde. Analyzing critical decision-based processes. *IEEE Transactions on Software Engineering*, 40(4):338–365, April 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-

3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6776491.

Dorn:2019:AET

[DLWF19] Jonathan Dorn, Jeremy Lacomis, Westley Weimer, and Stephanie Forrest. Automatically exploring tradeoffs between software output fidelity and energy costs. *IEEE Transactions on Software Engineering*, 45 (3):219–236, March 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8118155/.

Do:2010:ETC

[DMTR10] H. Do, S. Mirarab, L. Tahvildari, and G. Rothermel. The effects of time constraints on test case prioritization: A series of controlled experiments. *IEEE Transactions on Software Engineering*, 36(5): 593–617, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5482587.

Dias-Neto:2014:SCS

[DNT14] A. C. Dias-Neto and G. H. Travassos. Supporting the combined selection of model-based testing techniques. *IEEE Transactions on Software Engineering*, 40(10): 1025–1041, October 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6776497.

DiNucci:2018:DCB

[DPD+18] D. Di Nucci, F. Palomba, G. De Rosa, G. Bavota, R. Oliveto, and A. De Lucia. A developer centered bug prediction model. *IEEE Transactions on Software Engineering*, 44(1):5–24, January 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7835258.

DiPietro:2012:MCS

[DPS12] I. Di Pietro, F. Pagliarecci, and L. Spalazzi. Model checking semantically annotated services. *IEEE Transactions on Software Engineering*, 38(3):592–608, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5680919.

Dagenais:2014:UTL

[DR14] B. Dagenais and M. P. Robillard. Using traceability links to recommend adaptive changes for documentation evolution. *IEEE Transactions on Software Engineering*, 40

(11):1126–1146, November 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6878435.

Dwyer:2016:EJF

[DR16] M. B. Dwyer and D. S. Rosenblum. Editorial: Journal-first publication for the software engineering community. *IEEE Transactions on Software Engineering*, 42(1):1, January 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7374796.

Demsky:2011:BLS

[DS11] B. Demsky and S. Sundaramurthy. Bristlecone: Language support for robust software applications. *IEEE Transactions on Software Engineering*, 37(1):4–23, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5416725.

Draxler:2014:KDE

[DSB14] S. Draxler, G. Stevens, and A. Boden. Keeping the development environment up to date — a study of the situated practices of appropriating the Eclipse IDE. *IEEE Transactions on Software Engineering*, 40(11):1061–1074, November 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6898825.

Maldonado:2017:UNL

[dSMST17] E. d. S. Maldonado, E. Shihab, and N. Tsantalis. Using natural language processing to automatically detect self-admitted technical debt. *IEEE Transactions on Software Engineering*, 43(11):1044–1062, November 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7820211.

Distefano:2011:UPN

[DSP11] S. Distefano, M. Scarpa, and A. Puliafito. From UML to Petri nets: The PCM-based methodology. *IEEE Transactions on Software Engineering*, 37(1):65–79, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5396344.

deSouza:2011:ANW

[dSR11] C. R. B. de Souza and D. F. Redmiles. The awareness network, to whom should I display my actions? And, whose actions should I monitor? *IEEE Transactions on Software Engineering*, 37(3):325–340, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5710950.

Damevski:2017:MSD

[DSSP17] K. Damevski, D. C. Shepherd, J. Schneider, and L. Pollock. Mining sequences of developer interactions in visual studio for usage smells. *IEEE Transactions on Software Engineering*, 43(4):359–371, April 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7516714.

Dejaeger:2013:TCS

[DVB13] K. Dejaeger, T. Verbraken, and B. Baesens. Toward comprehensible software fault prediction models using Bayesian network classifiers. *IEEE Transactions on Software Engineering*, 39(2):237–257, February 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6175912.

Dejaeger:2012:DMT

[DVMB12] K. Dejaeger, W. Verbeke, D. Martens, and B. Baesens. Data mining techniques for software effort estimation: A comparative study. *IEEE Transactions on Software Engineering*, 38(2):375–397, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5928350.

Dwyer:2015:SJE

[Dwy15] M. B. Dwyer. State of the journal editorial. *IEEE Transactions on Software Engineering*, 41(1):1–2, January 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7004121.

Dwyer:2017:ITV

[Dwy17] M. B. Dwyer. Improving timeliness and visibility in publishing software engineering research. *IEEE Transactions on Software Engineering*, 43(3):205–206, March 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7876880.

Dwyer:2018:SJ

[Dwy18] M. Dwyer. State of the journal. *IEEE Transactions on Software Engineering*, 44(1):1–2, January 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8249614.

Dou:2017:CDR

[DXCW17] W. Dou, C. Xu, S. C. Cheung, and J. Wei. CACheck: Detecting and repairing cell arrays in spreadsheets. *IEEE Transactions on Software Engineering*, 43(3):226–251, March 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7498607.

El-Attar:2015:EUS

[EALK+15] M. El-Attar, H. Luqman, P. Kárpáti, G. Sindre, and A. L. Opdahl. Extending the UML statecharts notation to model security aspects. *IEEE Transactions on Software Engineering*, 41(7):661–690, July 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7042284.

Emberson:2010:SSS

[EB10] P. Emberson and I. Bate. Stressing search with scenarios for flexible solutions to real-time task allocation problems. *IEEE Transactions on Software Engineering*, 36(5):704–718, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5262947.

Esfahani:2013:LBF

[EEM13] N. Esfahani, A. Elkhodary, and S. Malek. A learning-based framework for engineering feature-oriented self-adaptive software systems. *IEEE Transactions on Software Engineering*, 39(11):1467–1493, November 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6574860.

Egyed:2011:ADT

[Egy11] A. Egyed. Automatically detecting and tracking inconsistencies in software design models. *IEEE Transactions on Software Engineering*, 37(2):188–204, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5432227.

El-Kassas:2016:ECC

[EKAYW16] W. S. El-Kassas, B. A. Abdullah, A. H. Yousef, and A. M. Wahba. Enhanced code conversion approach for the integrated cross-platform mobile development (icpmd). *IEEE Transactions on Software Engineering*, 42 (11):1036–1053, November 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7442177.

Eghbali:2016:TCP

[ET16] S. Eghbali and L. Tahvildari. Test case prioritization using lexicographical ordering. *IEEE Transactions on Software Engineering*, 42 (12):1178–1195, December 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7456343.

Haidry:2013:UDS

[eZHM13] S. e. Z. Haidry and T. Miller. Using dependency structures for prioritization of functional test suites. *IEEE Transactions on Software Engineering*, 39(2):258–275, February 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6189361.

Fraser:2013:WTS

[FA13] G. Fraser and A. Arcuri. Whole test suite generation. *IEEE Transactions on Software Engineering*, 39 (2):276–291, February 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6152257.

Fernandez-Amoros:2014:SAE

[FAHCC14] D. Fernandez-Amoros, R. Heradio, J. A. Cerrada, and C. Cerrada. A scalable approach to exact model and commonality counting for extended feature models. *IEEE Transactions on Software Engineering*, 40(9): 895–910, September 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6835200.

Falessi:2013:EPI

[FCC13] D. Falessi, G. Cantone, and G. Canfora. Empirical principles and an industrial case study in retrieving equivalent requirements via natural language processing techniques. *IEEE Transactions on Software Engineering*, 39(1):18–44, January 2013. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6112783.

Fowkes:2017:ASC

[FCR+17] J. Fowkes, P. Chanthirasegaran, R. Ranca, M. Allamanis, M. Lapata, and C. Sutton. Autofolding for source code summarization. *IEEE Transactions on Software Engineering*, 43 (12):1095–1109, December 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7843666.

Franzago:2018:CMD

[FDMM18] Mirco Franzago, Davide Di Ruscio, Ivano Malavolta, and Henry Muccini. Collaborative model-driven software engineering: A classification framework and a research map. *IEEE Transactions on Software Engineering*, 44 (12):1146–1175, December 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8047991/.

Franca:2020:MSS

[FdS20] C. França, F. Q. B. da Silva, and H. Sharp. Motivation and satisfaction of software engineers. *IEEE Transactions on Software Engineering*, 46(2):118–140, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Fucci:2017:DTD

[FET+17] D. Fucci, H. Erdogmus, B. Turhan, M. Oivo, and N. Juristo. A dissection of the test-driven development process: Does it really matter to test-first or to test-last? *IEEE Transactions on Software Engineering*, 43(7):597–614, July 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7592412.

Friedrich:2010:EHR

[FFM+10] G. Friedrich, M. G. Fugini, E. Mussi, B. Pernici, and G. Tagni. Exception handling for repair in service-based processes. *IEEE Transactions on Software Engineering*, 36(2):198–215, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5383376.

Feng:2011:CTE

[FPTO11] X. Feng, D. L. Parnas, T. H. Tse, and T. O'Callaghan. A comparison of tabular expression-based testing strategies. *IEEE Transactions on Software Engineering*

ing, 37(5):616–634, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5975175.

Frey:2019:GBU

[FRA+19] S. Frey, A. Rashid, P. Anthonysamy, M. Pinto-Albuquerque, and S. A. Naqvi. The good, the bad and the ugly: A study of security decisions in a cyber-physical systems game. *IEEE Transactions on Software Engineering*, 45 (5):521–536, May 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Falessi:2020:LHA

[FRGCH20] D. Falessi, J. Roll, J. L. C. Guo, and J. Cleland-Huang. Leveraging historical associations between requirements and source code to identify impacted classes. *IEEE Transactions on Software Engineering*, 46(4):420–441, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Filieri:2016:SSA

[FTG16] A. Filieri, G. Tamburrelli, and C. Ghezzi. Supporting self-adaptation via quantitative verification and sensitivity analysis at run time. *IEEE Transactions on Software Engineering*, 42(1):75–99, January 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7083754.

Fleck:2017:MTM

[FTK+17] M. Fleck, J. Troya, M. Kessentini, M. Wimmer, and B. Alkhazi. Model transformation modularization as a many-objective optimization problem. *IEEE Transactions on Software Engineering*, 43 (11):1009–1032, November 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7820199.

Fraser:2012:MDG

[FZ12] G. Fraser and A. Zeller. Mutation-driven generation of unit tests and oracles. *IEEE Transactions on Software Engineering*, 38(2): 278–292, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6019060.

Georg:2010:VTA

[GAB+10] G. Georg, K. Anastasakis, B. Bordbar, S. H. Houmb, I. Ray, and M. Toahchoodee. Verification and trade-off analysis of security properties in UML system models. *IEEE Transactions on Software Engineering*, 36(3):338–356, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5432225.

Garousi:2010:GAB

[Gar10] V. Garousi. A genetic algorithm-based stress test requirements generator tool and its empirical evaluation. *IEEE Transactions on Software Engineering*, 36(6):778–797, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5383373.

Garcia-Banuelos:2018:CIC

[GBvBD+18] Luciano García-Bañuelos, Nick R. T. P. van Beest, Marlon Dumas, Marcello La Rosa, and Willem Mertens. Complete and interpretable conformance checking of business processes. *IEEE Transactions on Software Engineering*, 44(3):262–290, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/document/7852436/.

Gao:2016:SGT

[GCZM16] Z. Gao, Z. Chen, Y. Zou, and A. M. Memon. SITAR: GUI test script repair. *IEEE Transactions on Software Engineering*, 42(2):170–186, February 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7214294.

Galeotti:2015:ILI

[GFM+15] J. P. Galeotti, C. A. Furia, E. May, G. Fraser, and A. Zeller. Inferring loop invariants by mutation, dynamic analysis, and static checking. *IEEE Transactions on Software Engineering*, 41(10):1019–1037, October 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7105412.

Grundy:2013:GDS

[GHL+13] J. C. Grundy, J. Hosking, K. N. Li, N. M. Ali, J. Huh, and R. L. Li. Generating domain-specific visual language tools from abstract visual specifications. *IEEE Transactions on Software Engineering*, 39(4):487–515, April 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6205768.

Giuffrida:2017:ALU

[GITT17] C. Giuffrida, C. Iorgulescu, G. Tamburrelli, and A. S. Tanenbaum. Automating live update for generic server programs. *IEEE Transactions on Software Engineering*, 43(3):207–225, March 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7497481.

Groce:2014:YOP

[GKZ+14] A. Groce, T. Kulesza, C. Zhang, S. Shamasunder, M. Burnett, W. K. Wong, S. Stumpf, S. Das, A. Shinsel, F. Bice, and K. McIntosh. You are the only possible oracle: Effective test selection for end users of interactive machine learning systems. *IEEE Transactions on Software Engineering*, 40(3):307–323, March 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6682887.

Gazzola:2019:ASR

[GMM19] Luca Gazzola, Daniela Micucci, and Leonardo Mariani. Automatic software repair: A survey. *IEEE Transactions on Software Engineering*, 45(1):34–67, January 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8089448/.

Goseva-Popstojanova:2010:GEI

[GPK10] K. Goseva-Popstojanova and K. Kanoun. Guest Editors' introduction to the special section on evaluation and improvement of software dependability. *IEEE Transactions on Software Engineering*, 36(3):306–308, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5473900.

Giardino:2016:SDS

[GPU+16] C. Giardino, N. Paternoster, M. Unterkalmsteiner, T. Gorschek, and P. Abrahamsson. Software development in startup companies: The greenfield startup model. *IEEE Transactions on Software Engineering*, 42(6):585–604, June 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7360225.

Grbac:2013:SRQ

[GRH13] T. Galinac Grbac, P. Runeson, and D. Huljenić. A second replicated quantitative analysis of fault distributions in complex software systems. *IEEE Trans-*

actions on Software Engineering, 39(4):462–476, April 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6235962.

Gay:2017:ASM

[GRH17] G. Gay, S. Rayadurgam, and M. P. E. Heimdahl. Automated steering of model-based test oracles to admit real program behaviors. *IEEE Transactions on Software Engineering*, 43(6):531–555, June 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7583721.

Garcia:2010:GEI

[GRI10] A. Garcia, A. Romanovsky, and V. Issarny. Guest Editors' introduction to the special section on exception handling: From requirements to software maintenance. *IEEE Transactions on Software Engineering*, 36(2):147–149, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5439569.

Galeotti:2013:TES

[GRPF13] J. P. Galeotti, N. Rosner, C. G. López Pombo, and M. F. Frias. TACO: Efficient SAT-based bounded verification using symmetry breaking and tight bounds. *IEEE Transactions on Software Engineering*, 39(9):1283–1307, September 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6482141.

Geipel:2012:LBD

[GS12] M. M. Geipel and F. Schweitzer. The link between dependency and cochange: Empirical evidence. *IEEE Transactions on Software Engineering*, 38(6):1432–1444, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6363462.

Gay:2015:AOD

[GSWH15a] G. Gay, M. Staats, M. Whalen, and M. P. E. Heimdahl. Automated oracle data selection support. *IEEE Transactions on Software Engineering*, 41(11):1119–1137, November 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7112189.

Gay:2015:RCD

[GSWH15b] G. Gay, M. Staats, M. Whalen, and M. P. E. Heimdahl. The risks of coverage-directed test case generation. *IEEE Transactions on Software Engineering*, 41(8):803–819, August 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7081779.

Gao:2019:MAT

[GW19] Ruizhi Gao and W. Eric Wong. MSeer — an advanced technique for locating multiple bugs in parallel. *IEEE Transactions on Software Engineering*, 45 (3):301–318, March 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8119545/.

Galster:2014:VSS

[GWT+14] M. Galster, D. Weyns, D. Tofan, B. Michalik, and P. Avgeriou. Variability in software systems — a systematic literature review. *IEEE Transactions on Software Engineering*, 40(3):282–306, March 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6682901.

Guo:2015:FDT

[GZS+15] X. Guo, M. Zhou, X. Song, M. Gu, and J. Sun. First, debug the test oracle. *IEEE Transactions on Software Engineering*, 41(10):986–1000, October 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7091939.

Harvie:2016:TSA

[HA16] D. P. Harvie and A. Agah. Targeted scrum: Applying mission command to agile software development. *IEEE Transactions on Software Engineering*, 42(5):476–489, May 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7296686.

Hannay:2010:EPP

[HAES10] J. E. Hannay, E. Arisholm, H. Engvik, and D. I. K. Sjoberg. Effects of personality on pair programming. *IEEE Transactions on Software Engineering*, 36 (1):61–80, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5089333.

Hatton:2014:CIS

[Hat14] L. Hatton. Conservation of information: Software's hidden clockwork? *IEEE Transactions on Software Engineering*, 40(5):450–460, May 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6784340.

Hall:2012:SLR

[HBB+12] T. Hall, S. Beecham, D. Bowes, D. Gray, and S. Counsell. A systematic literature review on fault prediction performance in software engineering. *IEEE Transactions on Software Engineering*, 38(6):1276–1304, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6035727.

Hayden:2013:PSE

[HBC13] R. A. Hayden, J. T. Bradley, and A. Clark. Performance specification and evaluation with unified stochastic probes and fluid analysis. *IEEE Transactions on Software Engineering*, 39(1):97–118, January 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6133297.

Huber:2017:MBS

[HBS+17] N. Huber, F. Brosig, S. Spinner, S. Kounev, and M. Bähr. Model-based self-aware performance and resource management using the Descartes modeling language. *IEEE Transactions on Software Engineering*, 43(5):432–452, May 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7577879.

Han:2018:TPA

[HC18] Ah-Rim Han and Sungdeok Cha. Two-phase assessment approach to improve the efficiency of refactoring identification. *IEEE Transactions on Software Engineering*, 44(10):1001–1023, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7990580/.

Heydarnoori:2012:TSF

[HCBB12] A. Heydarnoori, K. Czarnecki, W. Binder, and T. T. Bartolomei. Two studies of framework-usage templates extracted from dynamic traces. *IEEE Transactions on Software Engineering*, 38(6):1464–1487, November/December 2012. CODEN IESEDJ. ISSN

0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5975174.

Hariri:2013:SDA

[HCHM+13] N. Hariri, C. Castro-Herrera, M. Mirakhorli, J. Cleland-Huang, and B. Mobasher. Supporting domain analysis through mining and recommending features from online product listings. *IEEE Transactions on Software Engineering*, 39(12):1736–1752, December 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6582404.

Herbold:2017:CSR

[Her17] S. Herbold. Comments on ScottKnottESD in response to "An empirical comparison of model validation techniques for defect prediction models". *IEEE Transactions on Software Engineering*, 43 (11):1091–1094, November 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8024011. See [TMHM17].

He:2014:FCE

[HHY+14] Q. He, J. Han, Y. Yang, H. Jin, J. G. Schneider, and S. Versteeg. Formulating cost-effective monitoring strategies for service-based systems. *IEEE Transactions on Software Engineering*, 40(5):461–482, May 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6642029.

Hierons:2012:ODT

[Hie12] R. M. Hierons. Oracles for distributed testing. *IEEE Transactions on Software Engineering*, 38(3): 629–641, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5750006.

Hierons:2015:GCC

[Hie15] R. M. Hierons. Generating complete controllable test suites for distributed testing. *IEEE Transactions on Software Engineering*, 41(3):279–293, March 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6930767.

Hierons:2017:TPF

[Hie17] R. M. Hierons. Testing from partial finite state machines without harmonised traces. *IEEE Transactions* on *Software Engineering*, 43 (11):1033–1043, November 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7815407.

Hertis:2014:EAB

[HJ14] M. Hertis and M. B. Juric. An empirical analysis of business process execution language usage. *IEEE Transactions on Software Engineering*, 40(8):738–757, August 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6812231.

Holzmann:2011:SVT

[HJG11] G. J. Holzmann, R. Joshi, and A. Groce. Swarm verification techniques. *IEEE Transactions on Software Engineering*, 37(6):845–857, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5661793.

Hebig:2017:ACE

[HKB17] R. Hebig, D. E. Khelladi, and R. Bendraou. Approaches to co-evolution of metamodels and models: A survey. *IEEE Transactions on Software Engineering*, 43(5):396–414, May 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7569018.

Harter:2012:DSP

[HKS12] D. E. Harter, C. F. Kemerer, and S. A. Slaughter. Does software process improvement reduce the severity of defects? A longitudinal field study. *IEEE Transactions on Software Engineering*, 38(4):810–827, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5928358.

Horwitz:2010:BDO

[HLP10] S. Horwitz, B. Liblit, and M. Polishchuk. Better debugging via output tracing and callstack-sensitive slicing. *IEEE Transactions on Software Engineering*, 36 (1):7–19, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5282499.

Harman:2010:SBS

[HM10a] M. Harman and A. Mansouri. Search based software engineering: Introduction to the special issue of the *IEEE Transactions* on Software Engineering. *IEEE Transactions on Software Engineering*, 36(6):737–741, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5644735.

Harman:2010:TES

[HM10b] M. Harman and P. McMinn. A theoretical and empirical study of search-based testing: Local, global, and hybrid search. *IEEE Transactions on Software Engineering*, 36(2):226–247, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5342440.

Harrison:2019:VTA

[HMC19] M. D. Harrison, P. Masci, and J. C. Campos. Verification templates for the analysis of user interface software design. *IEEE Transactions on Software Engineering*, 45(8):802–822, August 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Habayeb:2018:UHM

[HMMB18] Mayy Habayeb, Syed Shariyar Murtaza, Andriy Miranskyy, and Ayse Basar Bener. On the use of hidden Markov model to predict the time to fix bugs. *IEEE Transactions on Software Engineering*, 44(12):1224–1244, December 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8052546/.

Hoda:2013:SOR

[HNM13] R. Hoda, J. Noble, and S. Marshall. Self-organizing roles on agile software development teams. *IEEE Transactions on Software Engineering*, 39(3):422–444, March 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6197202.

Hoang:2019:NCM

[HOLL19] T. Hoang, R. J. Oentaryo, T. B. Le, and D. Lo. Network-clustered multi-modal bug localization. *IEEE Transactions on Software Engineering*, 45(10):1002–1023, October 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Henard:2014:BCE

[HPP+14] C. Henard, M. Papadakis, G. Perrouin, J. Klein, P. Heymans, and Y. Le Traon. Bypassing the combinatorial explosion: Using similarity to generate and prioritize T-wise test configurations for software product lines. *IEEE*

Transactions on Software Engineering, 40(7):650–670, July 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6823132.

Huang:2016:GTF

[HPSW16] C. H. Huang, D. A. Peled, S. Schewe, and F. Wang. A game-theoretic foundation for the maximum software resilience against dense errors. *IEEE Transactions on Software Engineering*, 42(7):605–622, July 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7360234.

Hayden:2012:EDS

[HSH+12] C. M. Hayden, E. K. Smith, E. A. Hardisty, M. Hicks, and J. S. Foster. Evaluating dynamic software update safety using systematic testing. *IEEE Transactions on Software Engineering*, 38(6):1340–1354, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6035725.

Hierons:2016:PAT

[HT16] R. M. Hierons and U. C. Türker. Parallel algorithms for testing finite state machines:generating UIO sequences. *IEEE Transactions on Software Engineering*, 42 (11):1077–1091, November 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7429774.

Herbold:2018:CSB

[HTG18] Steffen Herbold, Alexander Trautsch, and Jens Grabowski. A comparative study to benchmark cross-project defect prediction approaches. *IEEE Transactions on Software Engineering*, 44(9):811–833, September 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7972992/. See [HTG19a].

Herbold:2019:CCS

[HTG19a] S. Herbold, A. Trautsch, and J. Grabowski. Correction of A Comparative Study to Benchmark Cross-Project Defect Prediction Approaches. *IEEE Transactions on Software Engineering*, 45 (6):632–636, June 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). See [HTG18].

Hosseini:2019:SLR

[HTG19b] Seyedrebvar Hosseini, Burak

Turhan, and Dimuthu Gunarathna. A systematic literature review and meta-analysis on cross project defect prediction. *IEEE Transactions on Software Engineering*, 45(2):111–147, February 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8097045/.

Hall:2018:EIE

[HWM18] Mathew Hall, Neil Walkinshaw, and Phil McMinn. Effectively incorporating expert knowledge in automated software remodularisation. *IEEE Transactions on Software Engineering*, 44(7):613–630, July 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8259332/.

Henderson:2017:DPN

[HYH+17] A. Henderson, L. K. Yan, X. Hu, A. Prakash, H. Yin, and S. McCamant. DECAF: A platform-neutral whole-system dynamic binary analysis platform. *IEEE Transactions on Software Engineering*, 43(2):164–184, February 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7506264.

He:2014:QAS

[HYJY14] Q. He, J. Yan, H. Jin, and Y. Yang. Quality-aware service selection for service-based systems based on iterative multi-attribute combinatorial auction. *IEEE Transactions on Software Engineering*, 40(2):192–215, February 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6702520.

Hao:2016:OTC

[HZZ+16] D. Hao, L. Zhang, L. Zang, Y. Wang, X. Wu, and T. Xie. To be optimal or not in test-case prioritization. *IEEE Transactions on Software Engineering*, 42(5):490–505, May 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7314957.

He:2017:KSB

[HZZ+17] Q. He, R. Zhou, X. Zhang, Y. Wang, D. Ye, F. Chen, J. C. Grundy, and Y. Yang. Keyword search for building service-based systems. *IEEE Transactions on Software Engineering*, 43(7):658–674, July 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.

org/stamp/stamp.jsp?arnumber=7731135.

Ikeda:2013:CEM

[IJK13] S. Ikeda, M. Jibiki, and Y. Kuno. Coverage estimation in model checking with bitstate hashing. *IEEE Transactions on Software Engineering*, 39(4):477–486, April 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6226428.

Itkonen:2013:RTK

[IML13] J. Itkonen, M. V. Mäntylä, and C. Lassenius. The role of the tester's knowledge in exploratory software testing. *IEEE Transactions on Software Engineering*, 39(5):707–724, May 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6298893.

Itzik:2016:VAR

[IRBW16] N. Itzik, I. Reinhartz-Berger, and Y. Wand. Variability analysis of requirements: Considering behavioral differences and reflecting stakeholders' perspectives. *IEEE Transactions on Software Engineering*, 42(7):687–706, July 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7366597.

Jorgensen:2011:IIM

[JG11] M. Jorgensen and S. Grimstad. The impact of irrelevant and misleading information on software development effort estimates: A randomized controlled field experiment. *IEEE Transactions on Software Engineering*, 37(5):695–707, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5551161.

Jorgensen:2012:SDE

[JG12] M. Jorgensen and S. Grimstad. Software development estimation biases: The role of interdependence. *IEEE Transactions on Software Engineering*, 38(3):677–693, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6193066.

Janevski:2013:SRW

[JGP13] N. Janevski and K. Goseva-Popstojanova. Session reliability of Web systems under heavy-tailed workloads: An approach based on design and analysis of experiments. *IEEE Transac-*

tions on Software Engineering, 39(8):1157–1178, August 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6409359.

Jia:2011:ASD

[JH11] Y. Jia and M. Harman. An analysis and survey of the development of mutation testing. *IEEE Transactions on Software Engineering*, 37(5): 649–678, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5487526.

Jiang:2015:SLT

[JH15] Z. M. Jiang and A. E. Hassan. A survey on load testing of large-scale software systems. *IEEE Transactions on Software Engineering*, 41 (11):1091–1118, November 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7123673.

Jhi:2015:PCU

[JJW+15] Y. C. Jhi, X. Jia, X. Wang, S. Zhu, P. Liu, and D. Wu. Program characterization using runtime values and its application to software plagiarism detection. *IEEE Transactions on Software Engineering*, 41(9):925–943, September 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7076635.

Jovanovic:2015:IPS

[JLR15] A. Jovanović, D. Lime, and O. H. Roux. Integer parameter synthesis for real-time systems. *IEEE Transactions on Software Engineering*, 41(5):445–461, May 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6895298.

Jiau:2013:OOB

[JMC13] H. C. Jiau, L. W. Mar, and J. C. Chen. OBEY: Optimal batched refactoring plan execution for class responsibility redistribution. *IEEE Transactions on Software Engineering*, 39(9): 1245–1263, September 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6493333.

Jan:2019:AGT

[JPAB19] S. Jan, A. Panichella, A. Arcuri, and L. Briand. Automatic generation of tests to exploit XML injection vulnerabilities in web applications. *IEEE Transactions on Software Engineering*, 45(4): 335–362, April 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Jing:2017:ISB

[JWDX17] X. Y. Jing, F. Wu, X. Dong, and B. Xu. An improved SDA based defect prediction framework for both within-project and cross-project class-imbalance problems. *IEEE Transactions on Software Engineering*, 43(4):321–339, April 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7530877.

Kwon:2011:VEP

[KA11] Y. Kwon and G. Agha. Verifying the evolution of probability distributions governed by a DTMC. *IEEE Transactions on Software Engineering*, 37(1):126–141, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5557891.

Kalliamvakou:2019:WMG

[KBZ+19] Eirini Kalliamvakou, Christian Bird, Thomas Zimmermann, Andrew Begel, Robert DeLine, and Daniel M. German. What makes a great manager of software engineers? *IEEE Transactions on Software Engineering*, 45(1):87–106, January 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8094304/.

Kastner:2014:VMC

[KDO14] C. Kästner, A. Dreiling, and K. Ostermann. Variability mining: Consistent semi-automatic detection of product-line features. *IEEE Transactions on Software Engineering*, 40(1):67–82, January 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6613490.

Kailasam:2013:OOT

[KGDS13] S. Kailasam, N. Gnanasambandam, J. Dharanipragada, and N. Sharma. Optimizing ordered throughput using autonomic cloud bursting schedulers. *IEEE Transactions on Software Engineering*, 39(11):1564–1581, November 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6520852.

Kazman:2016:EEA

[KGM+16] R. Kazman, D. Goldenson, I. Monarch, W. Nichols, and G. Valetto. Evaluating the effects of architectural documentation: A case study of a large scale open source project. *IEEE Transactions on Software Engineering*, 42(3):220–260, March 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7230299.

Khatchadourian:2012:PRR

[KGRX12] R. Khatchadourian, P. Greenwood, A. Rashid, and G. Xu. Pointcut rejuvenation: Recovering pointcut expressions in evolving aspect-oriented software. *IEEE Transactions on Software Engineering*, 38(3):642–657, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5710951.

Kim:2014:SMC

[Kim14] S. Kim. Synthesizing multithreaded code from real-time object-oriented models via schedulability-aware thread derivation. *IEEE Transactions on Software Engineering*, 40(4):413–426, April 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6617637.

Kim:2011:CSS

[KKK11] M. Kim, Y. Kim, and H. Kim. A comparative study of software model checkers as unit testing tools: An industrial case study. *IEEE Transactions on Software Engineering*, 37(2):146–160, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5510242.

Kimelman:2010:BAM

[KKMY10] D. Kimelman, M. Kimelman, D. Mandelin, and D. Yellin. Bayesian approaches to matching architectural diagrams. *IEEE Transactions on Software Engineering*, 36(2):248–274, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5232811.

Krogmann:2010:UGS

[KKR10] K. Krogmann, M. Kuperberg, and R. Reussner. Using genetic search for reverse engineering of parametric behavior models for performance prediction. *IEEE Transactions on Software Engineering*, 36(6):865–877, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5530323.

Kalbasi:2012:DSD

[KKRD12] A. Kalbasi, D. Krishnamurthy, J. Rolia, and S. Dawson. DEC: Service demand estimation with confidence. *IEEE Transactions on Software Engineering*, 38(3):561–578, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5728829.

Kessentini:2014:CPS

[KKS+14] W. Kessentini, M. Kessentini, H. Sahraoui, S. Bechikh, and A. Ouni. A cooperative parallel search-based software engineering approach for code-smells detection. *IEEE Transactions on Software Engineering*, 40(9):841–861, September 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6835187.

Kwan:2011:RMM

[KL11] T. W. Kwan and H. K. N. Leung. A risk management methodology for project risk dependencies. *IEEE Transactions on Software Engineering*, 37(5):635–648, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5696725.

Krishna:2019:BBM

[KM19] R. Krishna and T. Menzies. Bellwethers: A baseline method for transfer learning. *IEEE Transactions on Software Engineering*, 45(11):1081–1105, November 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Kocaguneli:2012:EEA

[KMBK12] E. Kocaguneli, T. Menzies, A. Bener, and J. W. Keung. Exploiting the essential assumptions of analogy-based effort estimation. *IEEE Transactions on Software Engineering*, 38(2):425–438, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5728833.

Krall:2015:GGA

[KMD15] J. Krall, T. Menzies, and M. Davies. GALE: Geometric active learning for search-based software engineering. *IEEE Transac-*

tions on Software Engineering, 41(10):1001–1018, October 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7105950.

Kocaguneli:2012:VEE

[KMK12] E. Kocaguneli, T. Menzies, and J. W. Keung. On the value of ensemble effort estimation. *IEEE Transactions on Software Engineering*, 38(6):1403–1416, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6081882.

Kocaguneli:2013:ALE

[KMK+13] E. Kocaguneli, T. Menzies, J. Keung, D. Cok, and R. Madachy. Active learning and effort estimation: Finding the essential content of software effort estimation data. *IEEE Transactions on Software Engineering*, 39(8):1040–1053, August 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6392173.

Kim:2013:ISS

[KNGW13] M. Kim, D. Notkin, D. Grossman, and G. Wilson. Identifying and summarizing systematic code changes via rule inference. *IEEE Transactions on Software Engineering*, 39(1):45–62, January 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6165314.

Krein:2016:MSJ

[KPJ+16] J. L. Krein, L. Prechelt, N. Juristo, A. Nanthaamornphong, J. C. Carver, S. Vegas, C. D. Knutson, K. D. Seppi, and D. L. Eggett. A multi-site joint replication of a design patterns experiment using moderator variables to generalize across contexts. *IEEE Transactions on Software Engineering*, 42(4):302–321, April 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7294706.

Kintis:2018:DTM

[KPJ+18] Marinos Kintis, Mike Papadakis, Yue Jia, Nicos Malevris, Yves Le Traon, and Mark Harman. Detecting trivial mutant equivalences via compiler optimisations. *IEEE Transactions on Software Engineering*, 44(4):308–333, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL

http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7882714.

Kramer:2010:ENE

[Kra10] J. Kramer. Editorial: A new Editor in Chief and the state of the journal. *IEEE Transactions on Software Engineering*, 36(1):1–2, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5401364.

Kpodjedo:2013:MMM

[KRG+13] S. Kpodjedo, F. Ricca, P. Galinier, G. Antoniol, and Y. G. Guéhéneuc. MADMatch: Many-to-many approximate diagram matching for design comparison. *IEEE Transactions on Software Engineering*, 39(8): 1090–1111, August 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6464271.

Krishnamurthy:2011:WWA

[KRX11] D. Krishnamurthy, J. Rolia, and M. Xu. WAM — the Weighted Average Method for predicting the performance of systems with bursts of customer sessions. *IEEE Transactions on Software Engineering*, 37(5): 718–735, September/October 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5953602.

Kwon:2012:ADU

[KS12] T. Kwon and Z. Su. Automatic detection of unsafe dynamic component loadings. *IEEE Transactions on Software Engineering*, 38(2):293–313, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6065738.

Kamei:2013:LSE

[KSA+13] Y. Kamei, E. Shihab, B. Adams, A. E. Hassan, A. Mockus, A. Sinha, and N. Ubayashi. A large-scale empirical study of just-in-time quality assurance. *IEEE Transactions on Software Engineering*, 39(6):757–773, June 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6341763.

Kwan:2011:DST

[KSD11] I. Kwan, A. Schroter, and D. Damian. Does socio-technical congruence have an effect on software build success? A study of coordination in a software project. *IEEE Transactions on Software Engineering*, 37(3):307–324, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5740929.

Kitchenham:2013:TQH

[KSD+13] B. Kitchenham, D. I. K. Sjøberg, T. Dybå, O. P. Brereton, D. Budgen, M. Höst, and P. Runeson. Trends in the quality of human-centric software engineering experiments — a quasi-experiment. *IEEE Transactions on Software Engineering*, 39(7):1002–1017, July 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6374196.

Kulkarni:2010:FPR

[KT10] D. Kulkarni and A. Tripathi. A framework for programming robust context-aware applications. *IEEE Transactions on Software Engineering*, 36(2):184–197, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5396345.

Kim:2013:WSW

[KTKZ13] D. Kim, Y. Tao, S. Kim, and A. Zeller. Where should we fix this bug? A two-phase recommendation model. *IEEE Transactions on Software Engineering*, 39(11):1597–1610, November 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6517844.

Kim:2011:WCS

[KWK+11] D. Kim, X. Wang, S. Kim, A. Zeller, S. C. Cheung, and S. Park. Which crashes should I fix first?: Predicting top crashes at an early stage to prioritize debugging efforts. *IEEE Transactions on Software Engineering*, 37(3):430–447, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5711013.

Kim:2018:DSS

[KZDB18] Miryung Kim, Thomas Zimmermann, Robert DeLine, and Andrew Begel. Data scientists in software teams: State of the art and challenges. *IEEE Transactions on Software Engineering*, 44(11):1024–1038, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8046093/.

Kim:2014:ESR

[KZN14] M. Kim, T. Zimmermann, and N. Nagappan. An empirical study of refactoring challenges and benefits at Microsoft. *IEEE Transactions on Software Engineering*, 40(7):633–649, July 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6802406.

Leungwattanakit:2014:MSM

[LAH+14] W. Leungwattanakit, C. Artho, M. Hagiya, Y. Tanabe, M. Yamamoto, and K. Takahashi. Modular software model checking for distributed systems. *IEEE Transactions on Software Engineering*, 40(5):483–501, May 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6645368.

Lin:2014:LAC

[LAL+14] S. W. Lin, É. André, Y. Liu, J. Sun, and J. S. Dong. Learning assumptions for compositional verification of timed systems. *IEEE Transactions on Software Engineering*, 40(2):137–153, February 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6682903.

Latorre:2014:EDE

[Lat14] R. Latorre. Effects of developer experience on learning and applying unit test-driven development. *IEEE Transactions on Software Engineering*, 40(4):381–395, April 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6690135.

Limam:2010:ASS

[LB10] N. Limam and R. Boutaba. Assessing software service quality and trustworthiness at selection time. *IEEE Transactions on Software Engineering*, 36(4):559–574, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5383370.

Lawrance:2013:HPD

[LBB+13] J. Lawrance, C. Bogart, M. Burnett, R. Bellamy, K. Rector, and S. D. Fleming. How programmers debug, revisited: An information foraging theory perspective. *IEEE Transactions on Software Engineering*, 39(2):197–215, February 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL

http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5674060.

LeGoues:2017:CCU

[LBFW17] C. Le Goues, Y. Brun, S. Forrest, and W. Weimer. Clarifications on the construction and use of the ManyBugs benchmark. *IEEE Transactions on Software Engineering*, 43(11):1089–1090, November 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8048536.

Lim:2015:ICD

[LBK+15] S. L. Lim, P. J. Bentley, N. Kanakam, F. Ishikawa, and S. Honiden. Investigating country differences in mobile app user behavior and challenges for software engineering. *IEEE Transactions on Software Engineering*, 41(1):40–64, January 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6913003.

Lutellier:2018:MIC

[LCG+18] Thibaud Lutellier, Devin Chollak, Joshua Garcia, Lin Tan, Derek Rayside, Nenad Medvidović, and Robert Kroeger. Measuring the impact of code dependencies on software architecture recovery techniques. *IEEE Transactions on Software Engineering*, 44(2):159–181, February 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/document/7859416/.

Liu:2013:VLO

[LCL+13] Y. Liu, W. Chen, Y. A. Liu, J. Sun, S. J. Zhang, and J. S. Dong. Verifying linearizability via optimized refinement checking. *IEEE Transactions on Software Engineering*, 39(7):1018–1039, July 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6363443.

Liu:2012:FSB

[LCNM12] S. Liu, Y. Chen, F. Nagoya, and J. A. McDermid. Formal specification-based inspection for verification of programs. *IEEE Transactions on Software Engineering*, 38(5):1100–1122, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6035726.

Lerner:2010:EHP

[LCO+10] B. S. Lerner, S. Christov, L. J. Osterweil, R. Bendraou, U. Kannengiesser, and

A. Wise. Exception handling patterns for process modeling. *IEEE Transactions on Software Engineering*, 36(2):162–183, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5383369.

LaToza:2019:MP

[LDR+19] T. D. LaToza, A. Di Lecce, F. Ricci, W. B. Towne, and A. van der Hoek. Microtask programming. *IEEE Transactions on Software Engineering*, 45(11):1106–1124, November 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Lee:2013:TEC

[LED13] G. Lee, J. A. Espinosa, and W. H. DeLone. Task environment complexity, global team dispersion, process capabilities, and coordination in software development. *IEEE Transactions on Software Engineering*, 39(12):1753–1771, December 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6583162.

Lim:2012:SUS

[LF12] S. L. Lim and A. Finkelstein. StakeRare: Using social networks and collaborative filtering for large-scale requirements elicitation. *IEEE Transactions on Software Engineering*, 38(3):707–735, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5740931.

Lienhard:2012:SDA

[LGN12] A. Lienhard, T. Girba, and O. Nierstrasz. Specifying dynamic analyses by extending language semantics. *IEEE Transactions on Software Engineering*, 38(3):694–706, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5740933.

Liu:2013:MBI

[LGS13] H. Liu, X. Guo, and W. Shao. Monitor-based instant software refactoring. *IEEE Transactions on Software Engineering*, 39(8):1112–1126, August 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6409360.

Lind:2012:PAS

[LH12] K. Lind and R. Heldal.

A practical approach to size estimation of embedded software components. *IEEE Transactions on Software Engineering*, 38(5):993–1007, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5999672.

Lee:2014:GGD

[LH14] J. Lee and K. H. Hsu. GEA: A goal-driven approach to discovering early aspects. *IEEE Transactions on Software Engineering*, 40(6):584–602, June 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6822606.

LeGoues:2015:MIB

[LHS+15] C. Le Goues, N. Holtschulte, E. K. Smith, Y. Brun, P. Devanbu, S. Forrest, and W. Weimer. The ManyBugs and IntroClass benchmarks for automated repair of C programs. *IEEE Transactions on Software Engineering*, 41(12):1236–1256, December 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7153570.

Li:2017:VEA

[LHWZ17] L. Li, M. Harman, F. Wu, and Y. Zhang. The value of exact analysis in requirements selection. *IEEE Transactions on Software Engineering*, 43(6):580–596, June 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7582553.

Li:2012:QAD

[Li12] W. Li. QoS assurance for dynamic reconfiguration of component-based software systems. *IEEE Transactions on Software Engineering*, 38(3):658–676, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5740932.

Li:2019:MSP

[LJZ+19] Z. Li, X. Jing, X. Zhu, H. Zhang, B. Xu, and S. Ying. On the multiple sources and privacy preservation issues for heterogeneous defect prediction. *IEEE Transactions on Software Engineering*, 45(4):391–411, April 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Lillack:2018:TLT

[LKB18] Max Lillack, Christian Kästner,

and Eric Bodden. Tracking load-time configuration options. *IEEE Transactions on Software Engineering*, 44 (12):1269–1291, December 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `https://ieeexplore.ieee.org/document/8049300/`.

Lee:2015:IVH

[LKKS15] S. Lee, S. Kang, S. Kim, and M. Staats. The impact of view histories on edit recommendations. *IEEE Transactions on Software Engineering*, 41(3):314–330, March 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6926851`.

Lano:2014:MTD

[LKR14] K. Lano and S. Kolahdouz-Rahimi. Model-transformation design patterns. *IEEE Transactions on Software Engineering*, 40(12):1224–1259, December 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6891324`.

Liu:2010:EOS

[LKS10] Y. Liu, T. M. Khoshgoftaar, and N. Seliya. Evolutionary optimization of software quality modeling with multiple repositories. *IEEE Transactions on Software Engineering*, 36(6):852–864, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5467094`.

Liu:2014:HED

[LKTC14] H. Liu, F. C. Kuo, D. Towey, and T. Y. Chen. How effectively does metamorphic testing alleviate the oracle problem? *IEEE Transactions on Software Engineering*, 40(1):4–22, January 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6613484`.

Lin:2014:RBQ

[LL14] C. T. Lin and Y. F. Li. Rate-based queueing simulation model of open source software debugging activities. *IEEE Transactions on Software Engineering*, 40 (11):1075–1099, November 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6891380`.

Luo:2016:SRA

[LLC+16] H. Luo, X. Liu, X. Chen, T. Long, and R. Jiang.

Software reliability analysis using weakest preconditions in linear assignment programs. *IEEE Transactions on Software Engineering*, 42(9):866–885, September 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7398131.

Li:2017:LSF

[LLHF17] F. Li, Z. Li, W. Huo, and X. Feng. Locating software faults based on minimum debugging frontier set. *IEEE Transactions on Software Engineering*, 43(8):760–776, August 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7755837.

Liu:2018:UDU

[LLL+18] Xuanzhe Liu, Huoran Li, Xuan Lu, Tao Xie, Qiaozhu Mei, Feng Feng, and Hong Mei. Understanding diverse usage patterns from large-scale appstore-service profiles. *IEEE Transactions on Software Engineering*, 44(4):384–411, April 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7883939.

Liu:2015:IRO

[LLLW15] H. Liu, Q. Liu, Y. Liu, and Z. Wang. Identifying renaming opportunities by expanding conducted rename refactorings. *IEEE Transactions on Software Engineering*, 41(9):887–900, September 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7097720.

Liu:2016:DAF

[LLNL16] H. Liu, Q. Liu, Z. Niu, and Y. Liu. Dynamic and automatic feedback-based threshold adaptation for code smell detection. *IEEE Transactions on Software Engineering*, 42(6):544–558, June 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7337457.

Lallchandani:2011:DST

[LM11] J. T. Lallchandani and R. Mall. A dynamic slicing technique for UML architectural models. *IEEE Transactions on Software Engineering*, 37(6):737–771, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.

org/stamp/stamp.jsp?arnumber=5680909.

Leopold:2014:SPM

[LMP14] H. Leopold, J. Mendling, and A. Polyvyanyy. Supporting process model validation through natural language generation. *IEEE Transactions on Software Engineering*, 40(8):818–840, August 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6823180.

Liu:2012:SBS

[LMSN12] H. Liu, Z. Ma, W. Shao, and Z. Niu. Schedule of bad smell detection and resolution: A new way to save effort. *IEEE Transactions on Software Engineering*, 38(1):220–235, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5680918.

Lanotte:2010:TPB

[LMST10] R. Lanotte, A. Maggiolo-Schettini, and A. Troina. Time and probability-based information flow analysis. *IEEE Transactions on Software Engineering*, 36(5):719–734, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5383372.

Luo:2017:SBO

[LMW+17] L. Luo, J. Ming, D. Wu, P. Liu, and S. Zhu. Semantics-based obfuscation-resilient binary code similarity comparison with applications to software and algorithm plagiarism detection. *IEEE Transactions on Software Engineering*, 43(12):1157–1177, December 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7823022.

Luo:2019:HDS

[LMZP19] Q. Luo, K. Moran, L. Zhang, and D. Poshyvanyk. How do static and dynamic test case prioritization techniques perform on modern software systems? An extensive study on GitHub projects. *IEEE Transactions on Software Engineering*, 45(11):1054–1080, November 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

LeGoues:2012:GGM

[LNFW12] C. Le Goues, T. Nguyen, S. Forrest, and W. Weimer. GenProg: A generic method for automatic software repair. *IEEE Transactions on Software Engineering*, 38

(1):54–72, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6035728.

Lee:2016:DMI

[LNH+16] T. Lee, J. Nam, D. Han, S. Kim, and H. Peter In. Developer micro interaction metrics for software defect prediction. *IEEE Transactions on Software Engineering*, 42(11):1015–1035, November 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7447797.

Li:2017:TOS

[LO17] N. Li and J. Offutt. Test oracle strategies for model-based testing. *IEEE Transactions on Software Engineering*, 43(4):372–395, April 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7529115.

Littlewood:2013:CBP

[LP13a] B. Littlewood and A. Povyakalo. Conservative bounds for the pfd of a 1-out-of-2 software-based system based on an assessor's subjective probability of "Not Worse Than Independence". *IEEE Transactions on Software Engineering*, 39 (12):1641–1653, December 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6564279.

Littlewood:2013:CRA

[LP13b] B. Littlewood and A. Povyakalo. Conservative reasoning about the probability of failure on demand of a 1-out-of-2 software-based system in which one channel is "Possibly Perfect". *IEEE Transactions on Software Engineering*, 39(11):1521–1530, November 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6574864. See [LR12].

Lu:2012:FAV

[LPZ12] S. Lu, S. Park, and Y. Zhou. Finding atomicity-violation bugs through unserializable interleaving testing. *IEEE Transactions on Software Engineering*, 38(4):844–860, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5740930.

Littlewood:2012:RAR

[LR12] B. Littlewood and J. Rushby.

Reasoning about the reliability of diverse two-channel systems in which one channel is "Possibly Perfect". *IEEE Transactions on Software Engineering*, 38(5):1178–1194, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5975177. See comments [LP13b].

Lin:2014:AER

[LRCL14] Y. D. Lin, J. F. Rojas, E. T. H. Chu, and Y. C. Lai. On the accuracy, efficiency, and reusability of automated test oracles for Android devices. *IEEE Transactions on Software Engineering*, 40(10):957–970, October 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6840332.

Lee:2013:ESA

[LS13] J. Lee and I. Shin. EDZL schedulability analysis in real-time multicore scheduling. *IEEE Transactions on Software Engineering*, 39(7):910–916, July 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6374195.

Li:2018:FSV

[LSL+18] Li Li, Jun Sun, Yang Liu, Meng Sun, and Jin-Song Dong. A formal specification and verification framework for timed security protocols. *IEEE Transactions on Software Engineering*, 44(8):725–746, August 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7939995/.

LeGoues:2012:MCQ

[LW12] C. Le Goues and W. Weimer. Measuring code quality to improve specification mining. *IEEE Transactions on Software Engineering*, 38(1):175–190, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5680914.

Leue:2013:ILP

[LW13] S. Leue and W. Wei. Integer linear programming-based property checking for asynchronous reactive systems. *IEEE Transactions on Software Engineering*, 39(2):216–236, February 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5680910.

Lu:2019:ARO

[LWY+19] Hong Lu, Shuai Wang, Tao Yue, Shaukat Ali, and Jan F. Nygård. Automated refactoring of OCL constraints with search. *IEEE Transactions on Software Engineering*, 45(2):148–170, February 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8114267/.

Liu:2014:GAD

[LXCL14] Y. Liu, C. Xu, S. C. Cheung, and J. Lü. GreenDroid: Automated diagnosis of energy inefficiency for Smartphone applications. *IEEE Transactions on Software Engineering*, 40(9):911–940, September 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6815752.

Lv:2014:ABA

[LYC14] J. Lv, B. B. Yin, and K. Y. Cai. On the asymptotic behavior of adaptive testing strategy for software reliability assessment. *IEEE Transactions on Software Engineering*, 40(4):396–412, April 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6762895.

Liu:2011:PTV

[LYJC11] X. Liu, Y. Yang, Y. Jiang, and J. Chen. Preventing temporal violations in scientific workflows: Where and how. *IEEE Transactions on Software Engineering*, 37(6):805–825, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5645643.

Liu:2012:PAA

[LZ12] P. Liu and C. Zhang. Pert: The application-aware tailoring of Java object persistence. *IEEE Transactions on Software Engineering*, 38(4):909–922, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5963692.

Li:2018:SSS

[LZRC18] Yi Li, Chenguang Zhu, Julia Rubin, and Marsha Chechik. Semantic slicing of software version histories. *IEEE Transactions on Software Engineering*, 44(2):182–201, February 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/document/7843626/.

Lin:2010:REI

[LZX10] Z. Lin, X. Zhang, and D. Xu. Reverse engineering input syntactic structure from program execution and its applications. *IEEE Transactions on Software Engineering*, 36(5): 688–703, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5210120.

Mittas:2013:RCS

[MA13] N. Mittas and L. Angelis. Ranking and clustering software cost estimation models through a multiple comparisons algorithm. *IEEE Transactions on Software Engineering*, 39(4):537–551, April 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6235961.

Mirarab:2012:SCR

[MAT12] S. Mirarab, S. Akhlaghi, and L. Tahvildari. Size-constrained regression test case selection using multicriteria optimization. *IEEE Transactions on Software Engineering*, 38(4):936–956, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5928351.

Misirli:2014:BNE

[MB14] A. T. Misirli and A. B. Bener. Bayesian networks for evidence-based decision-making in software engineering. *IEEE Transactions on Software Engineering*, 40(6):533–554, June 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6808495.

Menzies:2013:LVG

[MBC+13] T. Menzies, A. Butcher, D. Cok, A. Marcus, L. Layman, F. Shull, B. Turhan, and T. Zimmermann. Local versus global lessons for defect prediction and effort estimation. *IEEE Transactions on Software Engineering*, 39(6):822–834, June 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6363444.

Moran:2020:MLB

[MBCC+20] K. Moran, C. Bernal-Cárdenas, M. Curcio, R. Bonett, and D. Poshyvanyk. Machine learning-based prototyping of graphical user interfaces for mobile apps. *IEEE Transactions on Software Engineering*, 46(2):196–221, 2020. CO-

DEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Muslu:2015:RFD

[MBEN15] K. Muşlu, Y. Brun, M. D. Ernst, and D. Notkin. Reducing feedback delay of software development tools via continuous analysis. *IEEE Transactions on Software Engineering*, 41(8):745–763, August 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7069257.

Moreau:2018:TSG

[MBH+18] Luc Moreau, Belfrit Victor Batlajery, Trung Dong Huynh, Danius Michaelides, and Heather Packer. A templating system to generate provenance. *IEEE Transactions on Software Engineering*, 44(2):103–121, February 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/document/7909036/.

Menzies:2013:LPM

[MBK+13] T. Menzies, A. Brady, J. Keung, J. Hihn, S. Williams, O. El-Rawas, P. Green, and B. Boehm. Learning project management decisions: A case study with case-based reasoning versus data farming. *IEEE Transactions on Software Engineering*, 39 (12):1698–1713, December 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6600685.

Mouchawrab:2011:ACC

[MBLD11] S. Mouchawrab, L. C. Briand, Y. Labiche, and M. Di Penta. Assessing, comparing, and combining state machine-based testing and structural testing: A series of experiments. *IEEE Transactions on Software Engineering*, 37(2):161–187, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5416729.

Meyer:2017:WLD

[MBM+17] A. N. Meyer, L. E. Barton, G. C. Murphy, T. Zimmermann, and T. Fritz. The work life of developers: Activities, switches and perceived productivity. *IEEE Transactions on Software Engineering*, 43 (12):1178–1193, December 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7829407.

Moreno:2017:AAA

[MBP+17] L. Moreno, G. Bavota, M. D.

Penta, R. Oliveto, A. Marcus, and G. Canfora. ARENA: An approach for the automated generation of release notes. *IEEE Transactions on Software Engineering*, 43(2):106–127, February 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7513412.

Meier:2010:EBM

[MC10] R. Meier and V. Cahill. On event-based middleware for location-aware mobile applications. *IEEE Transactions on Software Engineering*, 36(3):409–430, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5374426.

Mirakhorli:2016:DTM

[MCH16] M. Mirakhorli and J. Cleland-Huang. Detecting, tracing, and monitoring architectural tactics in code. *IEEE Transactions on Software Engineering*, 42(3):205–220, March 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7270338.

Moffett:2013:VPC

[MDB13] Y. Moffett, J. Dingel, and A. Beaulieu. Verifying protocol conformance using software model checking for the model-driven development of embedded systems. *IEEE Transactions on Software Engineering*, 39(9):1307–13256, September 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6482140.

Medvidovic:2018:ENE

[Med18] N. Medvidović. Editorial from the new Editor in Chief. *IEEE Transactions on Software Engineering*, 44(1):3–4, January 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8249710.

Medvidovic:2019:ESJ

[Med19] Nenad Medvidovic. Editorial: State of the journal. *IEEE Transactions on Software Engineering*, 45(1):1, January 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8605418/.

Mellegaard:2016:IID

[MFL+16] N. Mellegård, A. Ferwerda, K. Lind, R. Heldal, and M. R. V. Chaudron. Impact of introducing domain-specific modelling in software maintenance: An industrial case study. *IEEE Transactions on Software Engineering*, 42(3):245–260, March 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7270333.

Martins:2020:RES

[MG20] L. E. G. Martins and T. Gorschek. Requirements engineering for safety-critical systems: An interview study with industry practitioners. *IEEE Transactions on Software Engineering*, 46(4):346–361, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Mortensen:2012:AOR

[MGB12] M. Mortensen, S. Ghosh, and J. Bieman. Aspect-oriented refactoring of legacy applications: An evaluation. *IEEE Transactions on Software Engineering*, 38(1):118–140, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5661792.

Moha:2010:DMS

[MGDL10] N. Moha, Y. G. Guéhéneuc, L. Duchien, and A. F. Le Meur. DECOR: A method for the specification and detection of code and design smells. *IEEE Transactions on Software Engineering*, 36(1):20–36, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5196681.

McMillan:2012:ESC

[MGP+12] C. McMillan, M. Grechanik, D. Poshyvanyk, C. Fu, and Q. Xie. Exemplar: A source code search engine for finding highly relevant applications. *IEEE Transactions on Software Engineering*, 38(5):1069–1087, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5989838.

Mongiovi:2018:DOS

[MGS+18] Melina Mongiovi, Rohit Gheyi, Gustavo Soares, Márcio Ribeiro, Paulo Borba, and Leopoldo Teixeira. Detecting overly strong preconditions in refactoring engines. *IEEE Transactions on Software Engineering*, 44(5):429–452, May 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7898404/.

Murphy-Hill:2012:PFR

[MHB12] E. Murphy-Hill and A. P.

Black. Programmer-friendly refactoring errors. *IEEE Transactions on Software Engineering*, 38(6):1417–1431, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6072219.

McMinn:2012:IDR

[MHL+12] P. McMinn, M. Harman, K. Lakhotia, Y. Hassoun, and J. Wegener. Input domain reduction through irrelevant variable removal and its effect on local, global, and hybrid search-based structural test data generation. *IEEE Transactions on Software Engineering*, 38(2):453–477, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5710949.

Murphy-Hill:2012:HWR

[MHPB12] E. Murphy-Hill, C. Parnin, and A. P. Black. How we refactor, and how we know it. *IEEE Transactions on Software Engineering*, 38(1):5–18, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6112738.

Monden:2013:ACE

[MHS+13] A. Monden, T. Hayashi, S. Shinoda, K. Shirai, J. Yoshida, M. Barker, and K. Matsumoto. Assessing the cost effectiveness of fault prediction in acceptance testing. *IEEE Transactions on Software Engineering*, 39(10):1345–1357, October 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6497441.

Mei:2012:SAP

[MHZ+12] H. Mei, D. Hao, L. Zhang, L. Zhang, J. Zhou, and G. Rothermel. A static approach to prioritizing JUnit test cases. *IEEE Transactions on Software Engineering*, 38(6):1258–1275, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6363461.

Murphy-Hill:2015:DSB

[MHZBN15] E. Murphy-Hill, T. Zimmermann, C. Bird, and N. Nagappan. The design space of bug fixes and how developers navigate it. *IEEE Transactions on Software Engineering*, 41(1):65–81, January 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-

3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6901259.

Marchetto:2016:MOT

[MIA+16] A. Marchetto, M. M. Islam, W. Asghar, A. Susi, and G. Scanniello. A multi-objective technique to prioritize test cases. *IEEE Transactions on Software Engineering*, 42(10):918–940, October 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7362042.

Macedo:2017:FBC

[MJC17] N. Macedo, T. Jorge, and A. Cunha. A feature-based classification of model repair approaches. *IEEE Transactions on Software Engineering*, 43(7):615–640, July 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7605502.

McBurney:2018:TPD

[MJK+18] Paul W. McBurney, Siyuan Jiang, Marouane Kessentini, Nicholas A. Kraft, Ameer Armaly, Mohamed Wiem Mkaouer, and Collin McMillan. Towards prioritizing documentation effort. *IEEE Transactions on Software Engineering*, 44(9):897–913, September 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7953505/.

McIntosh:2018:FIC

[MK18] Shane McIntosh and Yasutaka Kamei. Are fix-inducing changes a moving target? A longitudinal case study of just-in-time defect prediction. *IEEE Transactions on Software Engineering*, 44(5):412–428, May 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7898457/.

Malavolta:2013:WIN

[MLM+13] I. Malavolta, P. Lago, H. Muccini, P. Pelliccione, and A. Tang. What industry needs from architectural languages: A survey. *IEEE Transactions on Software Engineering*, 39(6):869–891, June 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6374194.

Mangano:2015:HSD

[MLPvdH15] N. Mangano, T. D. LaToza, M. Petre, and A. van der Hoek. How software designers interact with sketches at the whiteboard. *IEEE Trans-*

actions on Software Engineering, 41(2):135–156, February 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6922572.

Miller:2014:RES

[MLS+14] T. Miller, B. Lu, L. Sterling, G. Beydoun, and K. Taveter. Requirements elicitation and specification using the agent paradigm: The case study of an aircraft turnaround simulator. *IEEE Transactions on Software Engineering*, 40(10):1007–1024, October 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6860260.

Milicev:2013:CBU

[MM13] D. Milicev and Z. Mijailovic. Capsule-based user interface modeling for large-scale applications. *IEEE Transactions on Software Engineering*, 39(9):1190–1207, September 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6464270.

McBurney:2016:ASC

[MM16] P. W. McBurney and C. McMillan. Automatic source code summarization of context for Java methods. *IEEE Transactions on Software Engineering*, 42(2):103–119, February 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7181703.

Malek:2012:EFI

[MMMR12] S. Malek, N. Medvidovic, and M. Mikic-Rakic. An extensible framework for improving a distributed software system's deployment architecture. *IEEE Transactions on Software Engineering*, 38(1):73–100, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5680912.

Mirshokraie:2015:GMT

[MMP15] S. Mirshokraie, A. Mesbah, and K. Pattabiraman. Guided mutation testing for JavaScript Web applications. *IEEE Transactions on Software Engineering*, 41(5):429–444, May 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6960094.

Malavolta:2010:PAL

[MMPT10] I. Malavolta, H. Muccini, P. Pelliccione, and D. Tamburri. Providing architectural languages and tools interoperability through model transformation technologies. *IEEE Transactions on Software Engineering*, 36(1): 119–140, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5204094.

Margheri:2019:RFS

[MMPT19] Andrea Margheri, Massimiliano Masi, Rosario Pugliese, and Francesco Tiezzi. A rigorous framework for specification, analysis and enforcement of access control policies. *IEEE Transactions on Software Engineering*, 45(1):2–33, January 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8081817/.

Massacci:2014:EME

[MN14] F. Massacci and V. H. Nguyen. An empirical methodology to evaluate vulnerability discovery models. *IEEE Transactions on Software Engineering*, 40 (12):1147–1162, December 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6891367.

Mertz:2017:QSA

[MN17] J. Mertz and I. Nunes. A qualitative study of application-level caching. *IEEE Transactions on Software Engineering*, 43(9):798–816, September 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7762909.

Matinnejad:2019:TGT

[MNBB19] R. Matinnejad, S. Nejati, L. C. Briand, and T. Bruckmann. Test generation and test prioritization for Simulink models with dynamic behavior. *IEEE Transactions on Software Engineering*, 45(9):919–944, September 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Massey:2015:ELI

[MOA15] A. K. Massey, P. N. Otto, and A. I. Antón. Evaluating legal implementation readiness decision-making. *IEEE Transactions on Software Engineering*, 41(6):545–564, June 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6991569.

Mesgari:2019:CRR

[MOd19] M. Mesgari, C. Okoli, and A. O. de Guinea. Creating rich and representative personas by discovering affordances. *IEEE Transactions on Software Engineering*, 45 (10):967–983, October 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Madeyski:2014:OEM

[MOTJ14] L. Madeyski, W. Orzeszyna, R. Torkar, and M. Józala. Overcoming the equivalent mutant problem: A systematic literature review and a comparative experiment of second order mutation. *IEEE Transactions on Software Engineering*, 40(1):23–42, January 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6613487.

Mottola:2019:MSI

[MPO+19] L. Mottola, G. P. Picco, F. J. Oppermann, J. Eriksson, N. Finne, H. Fuchs, A. Gaglione, S. Karnouskos, P. M. Montero, N. Oertel, K. Römer, P. Spieß, S. Tranquillini, and T. Voigt. makeSense: Simplifying the integration of wireless sensor networks into business processes. *IEEE Transactions on Software Engineering*, 45 (6):576–596, June 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Mariani:2011:DAD

[MPP11] L. Mariani, F. Pastore, and M. Pezze. Dynamic analysis for diagnosing integration faults. *IEEE Transactions on Software Engineering*, 37(4):486–508, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5611554.

Mateescu:2012:ASP

[MPS12] R. Mateescu, P. Poizat, and G. Salaün. Adaptation of service protocols using process algebra and on-the-fly reduction techniques. *IEEE Transactions on Software Engineering*, 38(4):755–777, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5928357.

Mariani:2017:GTE

[MPS17] L. Mariani, M. Pezzè, and M. Santoro. GK-Tail+: An efficient approach to learn software models. *IEEE Transactions on Software Engineering*, 43(8):715–738, August 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7728088.

Maalej:2013:PKA

[MR13] W. Maalej and M. P. Robillard. Patterns of knowledge in API reference documentation. *IEEE Transactions on Software Engineering*, 39(9):1264–1282, September 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6473801.

Moser:2012:DSS

[MRD12] O. Moser, F. Rosenberg, and S. Dustdar. Domain-specific service selection for composite services. *IEEE Transactions on Software Engineering*, 38(4):828–843, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6231591.

Medeiros:2018:DMR

[MRG+18] Flávio Medeiros, Márcio Ribeiro, Rohit Gheyi, Sven Apel, Christian Kästner, Bruno Ferreira, Luiz Carvalho, and Baldoino Fonseca. Discipline matters: Refactoring of preprocessor directives in the `#ifdef` hell. *IEEE Transactions on Software Engineering*, 44(5):453–469, May 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7888579/.

Murphy:2010:GEI

[MS10] G. C. Murphy and W. Schafer. Guest Editors' introduction: 2008 conference on the foundations of software engineering. *IEEE Transactions on Software Engineering*, 36(5):591–592, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5593044.

Margara:2018:SDR

[MS18] Alessandro Margara and Guido Salvaneschi. On the semantics of distributed reactive programming: The cost of consistency. *IEEE Transactions on Software Engineering*, 44(7):689–711, July 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8354906/.

Maras:2013:ICI

[MSCC13] J. Maras, M. Stula, J. Carlson, and I. Crnkovic. Identifying code of individual features in client-side Web applications. *IEEE Transactions on Software Engineering*, 39(12):1680–1697, December 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL

http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6576749.

Martin:2017:SAS

[MSJ+17] W. Martin, F. Sarro, Y. Jia, Y. Zhang, and M. Harman. A survey of app store analysis for software engineering. *IEEE Transactions on Software Engineering*, 43(9):817–847, September 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7765038.

Morales:2018:EEA

[MSK+18] Rodrigo Morales, Rubén Saborido, Foutse Khomh, Francisco Chicano, and Giuliano Antoniol. EARMO: An energy-aware refactoring approach for mobile apps. *IEEE Transactions on Software Engineering*, 44 (12):1176–1206, December 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8052533/.

MacDonell:2010:HRS

[MSKM10] S. MacDonell, M. Shepperd, B. Kitchenham, and E. Mendes. How reliable are systematic reviews in empirical software engineering? *IEEE Transactions on Software Engineering*, 36(5): 676–687, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5416726.

Marchetto:2019:CCR

[MSS19] A. Marchetto, G. Scanniello, and A. Susi. Combining code and requirements coverage with execution cost for test suite reduction. *IEEE Transactions on Software Engineering*, 45(4):363–390, April 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Marron:2013:ARH

[MSSF13] M. Marron, C. Sanchez, Z. Su, and M. Fahndrich. Abstracting runtime heaps for program understanding. *IEEE Transactions on Software Engineering*, 39(6):774–786, June 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6331492.

Minku:2014:IEA

[MSY14] L. L. Minku, D. Sudholt, and X. Yao. Improved evolutionary algorithm design for the project scheduling problem based on runtime analysis. *IEEE Transactions on Software Engineering*, 40(1):83–102, January 2014. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6648326.

Maplesden:2015:PAO

[MTHG15] D. Maplesden, E. Tempero, J. Hosking, and J. C. Grundy. Performance analysis for object-oriented software: A systematic mapping. *IEEE Transactions on Software Engineering*, 41(7):691–710, July 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7024167.

Mateo:2013:VSO

[MUA13] P. Reales Mateo, M. Polo Usaola, and J. L. Fernández Alemán. Validating second-order mutation at system level. *IEEE Transactions on Software Engineering*, 39(4):570–587, April 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6216382.

Mesbah:2012:IBA

[MvDR12] A. Mesbah, A. van Deursen, and D. Roest. Invariant-based automatic testing of modern Web applications. *IEEE Transactions on Software Engineering*, 38(1):35–53, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5728834.

Meyers:2020:FTV

[MVDS20] B. Meyers, H. Vangheluwe, J. Denil, and R. Salay. A framework for temporal verification support in domain-specific modelling. *IEEE Transactions on Software Engineering*, 46(4):362–404, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Manadhata:2011:ASM

[MW11] P. K. Manadhata and J. M. Wing. An attack surface metric. *IEEE Transactions on Software Engineering*, 37(3):371–386, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5482589.

McMinn:2019:ADR

[MWMK19] P. McMinn, C. J. Wright, C. J. McCurdy, and G. M. Kapfhammer. Automatic detection and removal of ineffective mutants for the mutation analysis of relational database schemas. *IEEE Transactions on Software Engineering*, 45(5):427–463, May 2019. CODEN IESEDJ. ISSN 0098-

5589 (print), 1939-3520 (electronic).

Mercan:2019:CCH

[MYK19] H. Mercan, C. Yilmaz, and K. Kaya. CHiP: A configurable hybrid parallel covering array constructor. *IEEE Transactions on Software Engineering*, 45(12):1270–1291, December 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Nallur:2013:DSA

[NB13] V. Nallur and R. Bahsoon. A decentralized self-adaptation mechanism for service-based applications in the cloud. *IEEE Transactions on Software Engineering*, 39(5):591–612, May 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6249687`.

Nadi:2015:WDC

[NBKC15] S. Nadi, T. Berger, C. Kästner, and K. Czarnecki. Where do configuration constraints stem from? An extraction approach and an empirical study. *IEEE Transactions on Software Engineering*, 41(8):820–841, August 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7065312`.

Natella:2013:FRS

[NCDM13] R. Natella, D. Cotroneo, J. A. Duraes, and H. S. Madeira. On fault representativeness of software fault injection. *IEEE Transactions on Software Engineering*, 39(1):80–96, January 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6122035`.

Namoun:2016:EME

[NDMX16] A. Namoun, A. Daskalopoulou, N. Mehandjiev, and Z. Xun. Exploring mobile end user development: Existing use and design factors. *IEEE Transactions on Software Engineering*, 42(10):960–976, October 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7416245`.

Nam:2018:HDP

[NFK+18] Jaechang Nam, Wei Fu, Sunghun Kim, Tim Menzies, and Lin Tan. Heterogeneous defect prediction. *IEEE Transactions on Software Engineering*, 44(9):874–896, September 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL

https://ieeexplore.ieee.org/document/7959597/.

Nguyen:2014:OME

[NM14] B. N. Nguyen and A. M. Memon. An observe-model-exercise* paradigm to test event-driven systems with undetermined input spaces. *IEEE Transactions on Software Engineering*, 40(3):216–234, March 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6714448.

Niu:2020:IFC

[NNL+20] X. Niu, C. Nie, J. Y. Lei, H. Leung, and X. Wang. Identifying failure-causing schemas in the presence of multiple faults. *IEEE Transactions on Software Engineering*, 46(2):141–162, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Nguyen:2012:CME

[NNP+12] H. A. Nguyen, T. T. Nguyen, N. H. Pham, J. Al-Kofahi, and T. N. Nguyen. Clone management for evolving software. *IEEE Transactions on Software Engineering*, 38(5):1008–1026, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6007141.

Nayebi:2019:ARP

[NR19] M. Nayebi and G. Ruhe. Asymmetric release planning: Compromising satisfaction against dissatisfaction. *IEEE Transactions on Software Engineering*, 45(9):839–857, September 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Nongpoh:2017:AFA

[NRDB17] B. Nongpoh, R. Ray, S. Dutta, and A. Banerjee. AutoSense: A framework for automated sensitivity analysis of program data. *IEEE Transactions on Software Engineering*, 43(12):1110–1124, December 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7820185.

Nejati:2012:MMV

[NSC+12] S. Nejati, M. Sabetzadeh, M. Chechik, S. Easterbrook, and P. Zave. Matching and merging of variant feature specifications. *IEEE Transactions on Software Engineering*, 38(6):1355–1375, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL

http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6086550.

Nuseibeh:2010:E

[Nus10a] B. Nuseibeh. Editorial. *IEEE Transactions on Software Engineering*, 36(6):735–736, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5644734.

Nuseibeh:2010:END

[Nus10b] B. Nuseibeh. Editorial: A new decade of TSE. *IEEE Transactions on Software Engineering*, 36(1):3–6, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5401365.

Nuseibeh:2010:EHS

[Nus10c] B. Nuseibeh. Editorial: How special should issues be? *IEEE Transactions on Software Engineering*, 36(4):449–450, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5532337.

Nuseibeh:2010:ERW

[Nus10d] B. Nuseibeh. Editorial: Readers, writers, reviewers, and editors. *IEEE Transactions on Software Engineering*, 36(2):145–156, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5439568.

Nuseibeh:2010:MRM

[Nus10e] B. Nuseibeh. In memoriam: Robin Milner and Amir Pnueli. *IEEE Transactions on Software Engineering*, 36(3):305, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5473899.

Nuseibeh:2011:ESJ

[Nus11a] B. Nuseibeh. Editorial: State of the journal. *IEEE Transactions on Software Engineering*, 37(1):1–3, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5704236.

Nuseibeh:2011:EWM

[Nus11b] B. Nuseibeh. Editorial: What makes a publication archival? *IEEE Transactions on Software Engineering-*

ing, 37(2):145, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5739157.

Nuseibeh:2012:SJ

[Nus12] B. Nuseibeh. State of the journal. *IEEE Transactions on Software Engineering*, 38 (1):1–2, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6141070.

Nuseibeh:2013:E

[Nus13a] B. Nuseibeh. Editorial. *IEEE Transactions on Software Engineering*, 39(9): 1187–1189, September 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6587460.

Nuseibeh:2013:ENA

[Nus13b] B. Nuseibeh. Editorial [new associate editors]. *IEEE Transactions on Software Engineering*, 39(5):588–590, May 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6509892.

Nuseibeh:2013:ESJ

[Nus13c] B. Nuseibeh. Editorial: State of the journal. *IEEE Transactions on Software Engineering*, 39(2):145–146, February 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6419732.

Nuseibeh:2013:MDN

[Nus13d] B. Nuseibeh. In memoriam — David Notkin (1953–2013). *IEEE Transactions on Software Engineering*, 39(6):742–743, June 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6519247.

Nuseibeh:2013:MMJ

[Nus13e] B. Nuseibeh. In memoriam: Mary Jean Harrold (1947–2013). *IEEE Transactions on Software Engineering*, 39(11):1466, November 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6648565.

Nuseibeh:2014:SSJ

[Nus14] B. Nuseibeh. Signing off: The state of the journal. *IEEE Transactions on Software Engineering*, 40(1):1–3, January

2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6757048.

Natella:2020:AEB

[NWCS20] R. Natella, S. Winter, D. Cotroneo, and N. Suri. Analyzing the effects of bugs on software interfaces. *IEEE Transactions on Software Engineering*, 46(3):280–301, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Noureddine:2016:MCS

[NZ16] M. A. Noureddine and F. A. Zaraket. Model checking software with first order logic specifications using AIG solvers. *IEEE Transactions on Software Engineering*, 42(8):741–763, August 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7389426.

Ocariza:2017:SCC

[OBPM17] F. S. Ocariza, K. Bajaj, K. Pattabiraman, and A. Mesbah. A study of causes and consequences of client-side JavaScript bugs. *IEEE Transactions on Software Engineering*, 43(2):128–144, February 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7501855.

Oliveira:2013:AMA

[OF13] J. N. Oliveira and M. A. Ferreira. Alloy meets the algebra of programming: A case study. *IEEE Transactions on Software Engineering*, 39(3):305–326, March 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6155724.

Octeau:2016:CCP

[OLJM16] D. Octeau, D. Luchaup, S. Jha, and P. McDaniel. Composite constant propagation and its application to Android program analysis. *IEEE Transactions on Software Engineering*, 42(11):999–1014, November 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7447806.

Orso:2012:GES

[OT12] A. Orso and P. Tonella. Guest editorial: Special section on the international symposium on software testing and analysis 2010. *IEEE Transactions on Software Engineering*, 38(2):241–242, March/

April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6173077.

Ozcelik:2016:SLO

[OY16] B. Ozcelik and C. Yilmaz. Seer: A lightweight online failure prediction approach. *IEEE Transactions on Software Engineering*, 42(1):26–46, January 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7120143.

Ponzanelli:2019:AIC

[PBM+19] L. Ponzanelli, G. Bavota, A. Mocci, R. Oliveto, M. D. Penta, S. Haiduc, B. Russo, and M. Lanza. Automatic identification and classification of software development video tutorial fragments. *IEEE Transactions on Software Engineering*, 45 (5):464–488, May 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Palomba:2015:MVH

[PBP+15] F. Palomba, G. Bavota, M. D. Penta, R. Oliveto, D. Poshyvanyk, and A. De Lucia. Mining version histories for detecting code smells. *IEEE Transactions on Software Engineering*, 41(5):462–489, May 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6963448.

Petersen:2018:CCO

[PBS+18] Kai Petersen, Deepika Badampudi, Syed Muhammad Ali Shah, Krzysztof Wnuk, Tony Gorschek, Efi Papatheocharous, Jakob Axelsson, Séverine Sentilles, Ivica Crnkovic, and Antonio Cicchetti. Choosing component origins for software intensive systems: In-house, COTS, OSS or outsourcing? — A case survey. *IEEE Transactions on Software Engineering*, 44(3):237–261, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/document/7870688/.

Pavese:2016:PIA

[PBU16] E. Pavese, V. Braberman, and S. Uchitel. Probabilistic interface automata. *IEEE Transactions on Software Engineering*, 42(9):843–865, September 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7401103.

Poulding:2010:ESV

[PC10] S. Poulding and J. A. Clark. Efficient software verification: Statistical testing using automated search. *IEEE Transactions on Software Engineering*, 36(6):763–777, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5406530.

Petke:2015:PCI

[PCHY15] J. Petke, M. B. Cohen, M. Harman, and S. Yoo. Practical combinatorial interaction testing: Empirical findings on efficiency and early fault detection. *IEEE Transactions on Software Engineering*, 41(9):901–924, September 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7081752.

Perez:2015:ECR

[PCPS15] J. F. Pérez, G. Casale, and S. Pacheco-Sanchez. Estimating computational requirements in multi-threaded applications. *IEEE Transactions on Software Engineering*, 41(3):264–278, March 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6926798.

Pei:2014:AFP

[PFN+14] Y. Pei, C. A. Furia, M. Nordio, Y. Wei, B. Meyer, and A. Zeller. Automated fixing of programs with contracts. *IEEE Transactions on Software Engineering*, 40(5):427–449, May 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6776507.

Pradel:2013:NBA

[PG13] M. Pradel and T. R. Gross. Name-based analysis of equally typed method arguments. *IEEE Transactions on Software Engineering*, 39(8):1127–1143, August 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6419711.

Petke:2018:SSD

[PHLW18] Justyna Petke, Mark Harman, William B. Langdon, and Westley Weimer. Specialising software for different downstream applications using genetic improvement and code transplantation. *IEEE Transactions on Software Engineering*, 44(6):574–594, June 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL

https://ieeexplore.ieee.org/document/7962212/.

Paolieri:2016:PMC

[PHV16] M. Paolieri, A. Horváth, and E. Vicario. Probabilistic model checking of regenerative concurrent systems. *IEEE Transactions on Software Engineering*, 42 (2):153–169, February 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7202875.

Praditwong:2011:SMC

[PHY11] K. Praditwong, M. Harman, and X. Yao. Software module clustering as a multi-objective search problem. *IEEE Transactions on Software Engineering*, 37(2):264–282, March/April 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5406532.

Panichella:2018:ATC

[PKT18] Annibale Panichella, Fitsum Meshesha Kifetew, and Paolo Tonella. Automated test case generation as a many-objective optimisation problem with dynamic selection of the targets. *IEEE Transactions on Software Engineering*, 44 (2):122–158, February 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/document/7840029/.

Pittke:2015:ADR

[PLM15] F. Pittke, H. Leopold, and J. Mendling. Automatic detection and resolution of lexical ambiguity in process models. *IEEE Transactions on Software Engineering*, 41(6):526–544, June 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7027184.

Pettersson:2010:EAD

[PLN10] N. Pettersson, W. Lowe, and J. Nivre. Evaluation of accuracy in design pattern occurrence detection. *IEEE Transactions on Software Engineering*, 36(4):575–590, July/August 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5374428.

Palma:2019:UUS

[PMG19] F. Palma, N. Moha, and Y. Guéhéneuc. UniDoSA: The unified specification and detection of service antipatterns. *IEEE Transactions on Software Engineering*, 45(10): 1024–1053, October 2019.

CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Peters:2013:BPU

[PMGZ13] F. Peters, T. Menzies, L. Gong, and H. Zhang. Balancing privacy and utility in cross-company defect prediction. *IEEE Transactions on Software Engineering*, 39(8):1054–1068, August 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6419712.

Palyart:2018:SSI

[PMM18] Marc Palyart, Gail C. Murphy, and Vaden Masrani. A study of social interactions in open source component use. *IEEE Transactions on Software Engineering*, 44(12):1132–1145, December 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8049385/.

Pauleve:2011:TTF

[PMR11] L. Pauleve, M. Magnin, and O. Roux. Tuning temporal features within the stochastic π-calculus. *IEEE Transactions on Software Engineering*, 37(6):858–871, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5611556.

Piccioni:2013:CSE

[POM13] M. Piccioni, M. Oriol, and B. Meyer. Class schema evolution for persistent object-oriented software: Model, empirical study, and automated support. *IEEE Transactions on Software Engineering*, 39(2):184–196, February 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6122034.

Panichella:2015:IMO

[POPD15] A. Panichella, R. Oliveto, M. D. Penta, and A. De Lucia. Improving multi-objective test case selection by injecting diversity in genetic algorithms. *IEEE Transactions on Software Engineering*, 41(4):358–383, April 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6936894.

Palomba:2018:SSE

[PPZ+18] Fabio Palomba, Annibale Panichella, Andy Zaidman, Rocco Oliveto, and Andrea De Lucia. The scent of a smell: An extensive comparison between textual and structural smells. *IEEE*

Transactions on Software Engineering, 44(10):977–1000, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8038053/.

Perepletchikov:2011:CEE

[PR11] M. Perepletchikov and C. Ryan. A controlled experiment for evaluating the impact of coupling on the maintainability of service-oriented software. *IEEE Transactions on Software Engineering*, 37(4):449–465, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5482590.

Prechelt:2011:PWD

[Pre11] L. Prechelt. Plat_Forms: A Web development platform comparison by an exploratory experiment searching for emergent platform properties. *IEEE Transactions on Software Engineering*, 37(1):95–108, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5406528.

Pietrantuono:2010:SRT

[PRT10] R. Pietrantuono, S. Russo, and K. S. Trivedi. Software reliability and testing time allocation: An architecture-based approach. *IEEE Transactions on Software Engineering*, 36(3):323–337, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5383374.

Perini:2013:MLA

[PSA13] A. Perini, A. Susi, and P. Avesani. A machine learning approach to software requirements prioritization. *IEEE Transactions on Software Engineering*, 39(4):445–461, April 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6249686.

Peitek:2020:LPH

[PSA+20] N. Peitek, J. Siegmund, S. Apel, C. Kästner, C. Parnin, A. Bethmann, T. Leich, G. Saake, and A. Brechmann. A look into programmers heads. *IEEE Transactions on Software Engineering*, 46(4):442–462, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Platenius:2017:IMR

[PSB+17] M. C. Platenius, A. Shaker, M. Becker, E. Hüllermeier, and W. Schäfer. Imprecise matching of requirements specifications for software services using fuzzy logic. *IEEE Transactions on Software Engineering*, 43(8):739–759, August 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7755807.

Peters:2019:TFR

[PTYN19] F. Peters, T. T. Tun, Y. Yu, and B. Nuseibeh. Text filtering and ranking for security bug report prediction. *IEEE Transactions on Software Engineering*, 45(6):615–631, June 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Parmer:2012:MPD

[PW12] G. Parmer and R. West. Mutable protection domains: Adapting system fault isolation for reliability and efficiency. *IEEE Transactions on Software Engineering*, 38(4):875–888, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5928356.

Pan:2019:GCF

[PWSG19] Yao Pan, Jules White, Yu Sun, and Jeff Gray. Gray computing: A framework for computing with background JavaScript tasks. *IEEE Transactions on Software Engineering*, 45(2):171–193, February 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8105894/.

Palomba:2019:TSA

[PZF+19] Fabio Palomba, Marco Zanoni, Francesca Arcelli Fontana, Andrea De Lucia, and Rocco Oliveto. Toward a smell-aware bug prediction model. *IEEE Transactions on Software Engineering*, 45(2):194–218, February 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8097044/.

Padgham:2013:MBT

[PZTM13] L. Padgham, Z. Zhang, J. Thangarajah, and T. Miller. Model-based test oracle generation for automated unit testing of agent systems. *IEEE Transactions on Software Engineering*, 39(9):1230–1244, September 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6464272.

Qiu:2016:URE

[QSM16] J. Qiu, X. Su, and P. Ma. Using reduced execution flow graph to identify library functions in binary code. *IEEE Transactions on Software Engineering*, 42 (2):187–202, February 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7210204.

Ralph:2019:TMG

[Ral19] P. Ralph. Toward methodological guidelines for process theories and taxonomies in software engineering. *IEEE Transactions on Software Engineering*, 45(7):712–735, July 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Ramasubbu:2014:GSP

[Ram14] N. Ramasubbu. Governing software process improvements in globally distributed product development. *IEEE Transactions on Software Engineering*, 40(3):235–250, March 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6682900.

Rakha:2018:RPE

[RBH18] Mohamed Sami Rakha, Cor-Paul Bezemer, and Ahmed E. Hassan. Revisiting the performance evaluation of automated approaches for the retrieval of duplicate issue reports. *IEEE Transactions on Software Engineering*, 44 (12):1245–1268, December 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8048025/.

Robillard:2013:AAP

[RBK+13] M. P. Robillard, E. Bodden, D. Kawrykow, M. Mezini, and T. Ratchford. Automated API property inference techniques. *IEEE Transactions on Software Engineering*, 39(5):613–637, May 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6311409.

Riehle:2016:ISP

[RCKH16] D. Riehle, M. Capraro, D. Kips, and L. Horn. Inner source in platform-based product engineering. *IEEE Transactions on Software Engineering*, 42(12): 1162–1177, December 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7452676.

Ricca:2010:HDE

[RDT+10] F. Ricca, M. Di Penta, M. Torchiano, P. Tonella, and M. Ceccato. How developers' experience and ability influence Web application comprehension tasks supported by UML stereotypes: A series of four experiments. *IEEE Transactions on Software Engineering*, 36(1): 96–118, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5332231.

Reder:2013:DCD

[RE13] A. Reder and A. Egyed. Determining the cause of a design model inconsistency. *IEEE Transactions on Software Engineering*, 39 (11):1531–1548, November 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6560054.

Rosner:2015:BIS

[RGA+15] N. Rosner, J. Geldenhuys, N. M. Aguirre, W. Visser, and M. F. Frias. BLISS: Improved symbolic execution by bounded lazy initialization with SAT support. *IEEE Transactions on Software Engineering*, 41(7):639–660, July 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7004061.

Rothlisberger:2012:EDI

[RHB+12] D. Rothlisberger, M. Harry, W. Binder, P. Moret, D. Ansaloni, A. Villazon, and O. Nierstrasz. Exploiting dynamic information in IDEs improves speed and correctness of software maintenance tasks. *IEEE Transactions on Software Engineering*, 38(3):579–591, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6178187.

Ramasubbu:2014:MTD

[RK14] N. Ramasubbu and C. F. Kemerer. Managing technical debt in enterprise software packages. *IEEE Transactions on Software Engineering*, 40(8):758–772, August 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6824267.

Ramasubbu:2019:ITD

[RK19] Narayan Ramasubbu and Chris F. Kemerer. Integrating technical debt management and software quality management processes: A normative framework and field tests. *IEEE Transactions on Software Engineer-*

ing, 45(3):285–300, March 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8114229/.

Ramasubbu:2012:SCP

[RKH12] N. Ramasubbu, C. F. Kemerer, and J. Hong. Structural complexity and programmer team strategy: An experimental test. *IEEE Transactions on Software Engineering*, 38(5):1054–1068, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5999673.

Rodeghero:2015:ETS

[RLMM15] P. Rodeghero, C. Liu, P. W. McBurney, and C. McMillan. An eye-tracking study of Java programmers and application to source code summarization. *IEEE Transactions on Software Engineering*, 41(11):1038–1054, November 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7118751.

Rodriguez:2014:GTT

[RLR14] I. Rodríguez, L. Llana, and P. Rabanal. A general testability theory: Classes, properties, complexity, and testing reductions. *IEEE Transactions on Software Engineering*, 40(9):862–894, September 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6839051.

Rafique:2013:ETD

[RM13] Y. Rafique and V. B. Mišić. The effects of test-driven development on external quality and productivity: A meta-analysis. *IEEE Transactions on Software Engineering*, 39(6):835–856, June 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6197200.

Rempel:2017:PDI

[RM17] P. Rempel and P. Mäder. Preventing defects: The impact of requirements traceability completeness on software quality. *IEEE Transactions on Software Engineering*, 43(8):777–797, August 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7723818.

Rastkar:2014:ASB

[RMM14] S. Rastkar, G. C. Murphy, and G. Murray. Automatic summarization of bug reports. *IEEE Transactions on Software Engineering*, 40(4):366–380, April 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6704866.

Rodriguez-Navas:2013:UTA

[RNP13] G. Rodriguez-Navas and J. Proenza. Using timed automata for modeling distributed systems with clocks: Challenges and solutions. *IEEE Transactions on Software Engineering*, 39(6):857–868, June 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6374193.

Raunak:2013:RMC

[RO13] M. S. Raunak and L. J. Osterweil. Resource management for complex, dynamic environments. *IEEE Transactions on Software Engineering*, 39(3):384–402, March 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6197203.

Rosa:2013:SMA

[RRL+13] L. Rosa, L. Rodrigues, A. Lopes, M. Hiltunen, and R. Schlichting. Self-management of adaptable component-based applications. *IEEE Transactions on Software Engineering*, 39(3):403–421, March 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6197201.

Ramirez:2019:SRI

[RRS19] A. Ramírez, J. R. Romero, and C. L. Simons. A systematic review of interaction in search-based software engineering. *IEEE Transactions on Software Engineering*, 45(8):760–781, August 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Raja:2012:DEM

[RT12] U. Raja and M. J. Tretter. Defining and evaluating a measure of open source project survivability. *IEEE Transactions on Software Engineering*, 38(1):163–174, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6127835.

Ryder:2010:IBP

[RZ10] B. G. Ryder and A. Zeller. Introduction: The best papers of ISSTA. *IEEE Transactions on Software Engineering*, 36(4):451–452, July/August

2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5532338.

Sadeghi:2017:TQC

[SBGM17] A. Sadeghi, H. Bagheri, J. Garcia, and S. Malek. A taxonomy and qualitative comparison of program analysis techniques for security assessment of Android software. *IEEE Transactions on Software Engineering*, 43(6):492–530, June 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7583740.

Shepperd:2014:RBU

[SBH14] M. Shepperd, D. Bowes, and T. Hall. Researcher bias: The use of machine learning in software defect prediction. *IEEE Transactions on Software Engineering*, 40(6):603–616, June 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6824804. See [TMHM16, SHB18].

Shousha:2012:UMM

[SBL12] M. Shousha, L. Briand, and Y. Labiche. A UML/MARTE model analysis method for uncovering scenarios leading to starvation and deadlocks in concurrent systems. *IEEE Transactions on Software Engineering*, 38(2):354–374, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5661791.

Sampath:2013:URH

[SBM13] S. Sampath, R. Bryce, and A. M. Memon. A uniform representation of hybrid criteria for regression testing. *IEEE Transactions on Software Engineering*, 39(10):1326–1344, October 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6484067.

Scalabrino:2019:LCR

[SBR+19] Simone Scalabrino, Gabriele Bavota, Barbara Russo, Massimiliano Di Penta, and Rocco Oliveto. Listening to the crowd for the release planning of mobile apps. *IEEE Transactions on Software Engineering*, 45(1):68–86, January 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8057860/.

Sibay:2013:SMT

[SBUK13] G. E. Sibay, V. Braberman, S. Uchitel, and J. Kramer. Synthesizing modal transition systems from triggered scenarios. *IEEE Transactions on Software Engineering*, 39(7):975–1001, July 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6311408.

Shevtsov:2018:CTS

[SBWM18] Stepan Shevtsov, Mihaly Berekmeri, Danny Weyns, and Martina Maggio. Control-theoretical software adaptation: A systematic literature review. *IEEE Transactions on Software Engineering*, 44(8):784–810, August 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7929422/.

Schreiber:2012:PLM

[SCF+12] F. A. Schreiber, R. Camplani, M. Fortunato, M. Marelli, and G. Rota. PerLa: A language and middleware architecture for data management and integration in pervasive information systems. *IEEE Transactions on Software Engineering*, 38(2):478–496, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5728831.

Stol:2019:CBC

[SCF19] Klaas-Jan Stol, Bora Caglayan, and Brian Fitzgerald. Competition-based crowdsourcing software development: a multi-method study from a customer perspective. *IEEE Transactions on Software Engineering*, 45(3):237–260, March 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8119867/.

Song:2014:STN

[SCP14] J. Song, C. Cadar, and P. Pietzuch. SymbexNet: Testing network protocol implementations with symbolic execution and rule-based specifications. *IEEE Transactions on Software Engineering*, 40(7):695–709, July 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6815719.

Sharp:2016:RES

[SDdS16] H. Sharp, Y. Dittrich, and C. R. B. de Souza. The role of ethnographic studies in empirical software engineering. *IEEE Transactions on Software Engineering*, 42(8):786–804, August

2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7387744.

Schumann:2014:MHL

[SDMW14] M. A. Schumann, D. Drusinsky, J. B. Michael, and D. Wijesekera. Modeling human-in-the-loop security analysis and decision-making processes. *IEEE Transactions on Software Engineering*, 40(2):154–166, February 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6727512.

Stolee:2013:IIR

[SE13] K. T. Stolee and S. Elbaum. Identification, impact, and refactoring of smells in pipe-like Web mashups. *IEEE Transactions on Software Engineering*, 39(12): 1654–1679, December 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6589568.

Sama:2010:CAA

[SER+10] M. Sama, S. Elbaum, F. Raimondi, D. S. Rosenblum, and Z. Wang. Context-aware adaptive applications: Fault patterns and their automated identification. *IEEE Transactions on Software Engineering*, 36(5):644–661, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5432224.

Su:2016:APB

[SFCR16] G. Su, Y. Feng, T. Chen, and D. S. Rosenblum. Asymptotic perturbation bounds for probabilistic model checking with empirically determined probability parameters. *IEEE Transactions on Software Engineering*, 42(7):623–639, July 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7355393.

Sarro:2017:AMO

[SFH+17] F. Sarro, F. Ferrucci, M. Harman, A. Manna, and J. Ren. Adaptive multi-objective evolutionary algorithms for overtime planning in software projects. *IEEE Transactions on Software Engineering*, 43(10):898–917, October 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7814340.

Segura:2016:SMT

[SFSRC16] S. Segura, G. Fraser, A. B. Sanchez, and A. Ruiz-Cortés. A survey on metamorphic testing. *IEEE Transactions on Software Engineering*, 42(9):805–824, September 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7422146.

Shah:2010:UEH

[SGH10] H. Shah, C. Gorg, and M. J. Harrold. Understanding exception handling: Viewpoints of novices and experts. *IEEE Transactions on Software Engineering*, 36(2):150–161, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5383375.

Soares:2013:ABT

[SGM13] G. Soares, R. Gheyi, and T. Massoni. Automated behavioral testing of refactoring engines. *IEEE Transactions on Software Engineering*, 39(2):147–162, February 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6175911.

Svensson:2012:QRI

[SGR+12] R. Berntsson Svensson, T. Gorschek, B. Regnell, R. Torkar, A. Shahrokni, and R. Feldt. Quality requirements in industrial practice — an extended interview study at eleven companies. *IEEE Transactions on Software Engineering*, 38(4):923–935, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5753901.

Song:2019:CIR

[SGS19] Q. Song, Y. Guo, and M. Shepperd. A comprehensive investigation of the role of imbalanced learning for software defect prediction. *IEEE Transactions on Software Engineering*, 45(12):1253–1269, December 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Shatnawi:2010:QIA

[Sha10] R. Shatnawi. A quantitative investigation of the acceptable risk levels of object-oriented metrics in open-source systems. *IEEE Transactions on Software Engineering*, 36(2):216–225, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.

org/stamp/stamp.jsp?arnumber=5383377.

Shepperd:2018:ARC

[SHB18] Martin Shepperd, Tracy Hall, and David Bowes. Authors' reply to "Comments on Researcher Bias: The Use of Machine Learning in Software Defect Prediction". *IEEE Transactions on Software Engineering*, 44(11):1129–1131, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7990255/. See [SBH14, TMHM16].

Shi:2016:VSA

[SHCX16] Q. Shi, J. Huang, Z. Chen, and B. Xu. Verifying synchronization for atomicity violation fixing. *IEEE Transactions on Software Engineering*, 42(3):280–296, March 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7254228.

Smith:2019:HDD

[SJMH+19] J. Smith, B. Johnson, E. Murphy-Hill, B. Chu, and H. R. Lipford. How developers diagnose potential security vulnerabilities with a static analysis tool. *IEEE Transactions on Software Engineering*, 45(9):877–897, September 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Song:2011:GSD

[SJS+11] Q. Song, Z. Jia, M. Shepperd, S. Ying, and J. Liu. A general software defect-proneness prediction framework. *IEEE Transactions on Software Engineering*, 37(3):356–370, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5611551.

Salmeron:2012:FRI

[SL12] J. L. Salmeron and C. Lopez. Forecasting risk impact on ERP maintenance with augmented fuzzy cognitive maps. *IEEE Transactions on Software Engineering*, 38(2):439–452, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5680917.

Shahbazi:2016:BBS

[SM16] A. Shahbazi and J. Miller. Black-box string test case generation through a multi-objective optimization. *IEEE Transactions on Software Engineering*, 42(4):361–378, April 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL

http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7293669.

Shen:2016:DSP

[SMBY16] X. Shen, L. L. Minku, R. Bahsoon, and X. Yao. Dynamic software project scheduling through a proactive-rescheduling method. *IEEE Transactions on Software Engineering*, 42(7):658–686, July 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7365465.

Salleh:2011:ESP

[SMG11] N. Salleh, E. Mendes, and J. Grundy. Empirical studies of pair programming for CS/SE teaching in higher education: A systematic literature review. *IEEE Transactions on Software Engineering*, 37(4):509–525, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5482588.

Song:2019:IMV

[SMJ19] W. Song, X. Ma, and H. Jacobsen. Instance migration validity for dynamic evolution of data-aware processes. *IEEE Transactions on Software Engineering*, 45(8):782–801, August 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Shin:2011:ECC

[SMWO11] Y. Shin, A. Meneely, L. Williams, and J. A. Osborne. Evaluating complexity, code churn, and developer activity metrics as indicators of software vulnerabilities. *IEEE Transactions on Software Engineering*, 37(6):772–787, November/December 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5560680.

Syer:2015:RRE

[SNAH15] M. D. Syer, M. Nagappan, B. Adams, and A. E. Hassan. Replicating and re-evaluating the theory of relative defect-proneness. *IEEE Transactions on Software Engineering*, 41(2):176–197, February 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6914599.

Salvaneschi:2017:PER

[SPA+17] G. Salvaneschi, S. Proksch, S. Amann, S. Nadi, and M. Mezini. On the positive effect of reactive programming on software comprehension: An empirical study. *IEEE Transactions on Software Engineering*, 43

(12):1125–1143, December 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7827078.

Song:2014:IED

[SPF14] C. Song, A. Porter, and J. S. Foster. iTree: Efficiently discovering high-coverage configurations using interaction trees. *IEEE Transactions on Software Engineering*, 40(3):251–265, March 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6671585.

Simons:2010:IES

[SPG10] Christopher L. Simons, Ian C. Parmee, and Rhys Gwynllyw. Interactive, evolutionary search in upstream object-oriented class design. *IEEE Transactions on Software Engineering*, 36(6):798–816, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5432223.

Sakti:2015:IGP

[SPG15] A. Sakti, G. Pesant, and Y. G. Guéhéneuc. Instance generator and problem representation to improve object oriented code coverage. *IEEE Transactions on Software Engineering*, 41(3):294–313, March 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6926828.

Segura:2018:MTR

[SPTRC18] Sergio Segura, José A. Parejo, Javier Troya, and Antonio Ruiz-Cortés. Metamorphic testing of RESTful Web APIs. *IEEE Transactions on Software Engineering*, 44(11):1083–1099, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8074764/.

Skene:2010:SLA

[SRE10] J. Skene, F. Raimondi, and W. Emmerich. Service-level agreements for electronic services. *IEEE Transactions on Software Engineering*, 36(2):288–304, March/April 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5210121.

Sen:2012:MDW

[SRS12] A. Sen, K. Ramamurthy, and A. P. Sinha. A model of data warehousing process maturity. *IEEE Transactions on Software Engineering*, 38(2):336–353, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5680911.

Sarma:2012:PED

[SRvdH12] A. Sarma, D. F. Redmiles, and A. van der Hoek. Palantir: Early detection of development conflicts arising from parallel code changes. *IEEE Transactions on Software Engineering*, 38(4):889–908, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5928359.

Schur:2015:MWM

[SRZ15] M. Schur, A. Roth, and A. Zeller. Mining workflow models from Web applications. *IEEE Transactions on Software Engineering*, 41(12):1184–1201, December 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7169616.

Singh:2018:EBS

[SSP18] V. B. Singh, Meera Sharma, and Hoang Pham. Entropy based software reliability analysis of multi-version open source software. *IEEE Transactions on Software Engineering*, 44(12):1207–1223, December 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8081836/.

Shepperd:2013:DQS

[SSSM13] M. Shepperd, Q. Song, Z. Sun, and C. Mair. Data quality: Some comments on the NASA software defect datasets. *IEEE Transactions on Software Engineering*, 39(9):1208–1215, September 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6464273.

Shahbazi:2013:CVT

[STM13] A. Shahbazi, A. F. Tappenden, and J. Miller. Centroidal Voronoi tessellations — a new approach to random testing. *IEEE Transactions on Software Engineering*, 39(2):163–183, February 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6165316.

Schafer:2012:CAN

[STST12] M. Schäfer, A. Thies, F. Steimann, and F. Tip. A comprehensive approach to naming and accessibility in refactoring Java programs. *IEEE Transactions on Software Engineering*, 38(6):1233–1257, November/December 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6152131.

Shivaji:2013:RFI

[SWAK13] S. Shivaji, E. James Whitehead, R. Akella, and S. Kim. Reducing features to improve code change-based bug prediction. *IEEE Transactions on Software Engineering*, 39(4):552–569, April 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6226427.

Samuel:2015:CRC

[SWEK15] B. M. Samuel, L. A. Watkins III, A. Ehle, and V. Khatri. Customizing the representation capabilities of process models: Understanding the effects of perceived modeling impediments. *IEEE Transactions on Software Engineering*, 41(1):19–39, January 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6898868.

Scandariato:2014:PVS

[SWHJ14] R. Scandariato, J. Walden, A. Hovsepyan, and W. Joosen. Predicting vulnerable software components via text mining. *IEEE Transactions on Software Engineering*, 40(10):993–1006, October 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6860243.

Sjoberg:2013:QEC

[SYA+13] D. I. K. Sjøberg, A. Yamashita, B. C. D. Anda, A. Mockus, and T. Dybå. Quantifying the effect of code smells on maintenance effort. *IEEE Transactions on Software Engineering*, 39(8):1144–1156, August 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6392174.

Shin:2018:TES

[SYB18] Donghwan Shin, Shin Yoo, and Doo-Hwan Bae. A theoretical and empirical study of diversity-aware mutation adequacy criterion. *IEEE Transactions on Software Engineering*, 44(10):914–931, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL

https://ieeexplore.ieee.org/document/7994647/.

Sui:2014:DML

[SYX14] Y. Sui, D. Ye, and J. Xue. Detecting memory leaks statically with full-sparse value-flow analysis. *IEEE Transactions on Software Engineering*, 40(2):107–122, February 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6720116.

Spanoudakis:2010:DSD

[SZ10] G. Spanoudakis and A. Zisman. Discovering services during service-based system design using UML. *IEEE Transactions on Software Engineering*, 36(3): 371–389, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5374424.

Storey:2017:HSC

[SZF+17] M. A. Storey, A. Zagalsky, F. F. Filho, L. Singer, and D. M. German. How social and communication channels shape and challenge a participatory culture in software development. *IEEE Transactions on Software Engineering*, 43(2):185–204, February 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7498605.

Sumner:2012:PCC

[SZWZ12] W. N. Sumner, Y. Zheng, D. Weeratunge, and X. Zhang. Precise calling context encoding. *IEEE Transactions on Software Engineering*, 38(5):1160–1177, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5963696.

Tian:2014:MCM

[TDD14] C. Tian, Z. Duan, and Z. Duan. Making CEGAR more efficient in software model checking. *IEEE Transactions on Software Engineering*, 40(12):1206–1223, December 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6895263.

Tribastone:2012:FRS

[TDGH12] M. Tribastone, J. Ding, S. Gilmore, and J. Hillston. Fluid rewards for a stochastic process algebra. *IEEE Transactions on Software Engineering*, 38(4):861–874, July/August 2012. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5975178.

Tuya:2016:CAT

[TdlRSCB16] J. Tuya, C. d. l. Riva, M. J. Suárez-Cabal, and R. Blanco. Coverage-aware test database reduction. *IEEE Transactions on Software Engineering*, 42(10):941–959, October 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7384760.

Trummer:2014:MOQ

[TFB14] I. Trummer, B. Faltings, and W. Binder. Multi-objective quality-driven service selection — a fully polynomial time approximation scheme. *IEEE Transactions on Software Engineering*, 40(2):167–191, February 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6687160.

Tribastone:2012:SDA

[TGH12] M. Tribastone, S. Gilmore, and J. Hillston. Scalable differential analysis of process algebra models. *IEEE Transactions on Software Engineering*, 38(1):205–219, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5567115.

Thimbleby:2015:SUI

[Thi15] H. Thimbleby. Safer user interfaces: A case study in improving number entry. *IEEE Transactions on Software Engineering*, 41(7):711–729, July 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6991548.

Taiani:2014:GUC

[TLB14] F. Taïani, S. Lin, and G. S. Blair. GossipKit: A unified component framework for Gossip. *IEEE Transactions on Software Engineering*, 40(2):123–136, February 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6645372.

TerBeek:2020:FQM

[TLLV20] M. H. Ter Beek, A. Legay, A. L. Lafuente, and A. Vandin. A framework for quantitative modeling and analysis of highly (re)configurable systems. *IEEE Transactions on Software Engineering*, 46(3):321–345, 2020. CODEN IESEDJ. ISSN 0098-

5589 (print), 1939-3520 (electronic).

Tian:2018:RSP

[TLZ+18] Zhenzhou Tian, Ting Liu, Qinghua Zheng, Eryue Zhuang, Ming Fan, and Zijiang Yang. Reviving sequential program birthmarking for multithreaded software plagiarism detection. *IEEE Transactions on Software Engineering*, 44(5):491–511, May 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `https://ieeexplore.ieee.org/document/7888597/`.

Tantithamthavorn:2016:CRB

[TMHM16] C. Tantithamthavorn, S. McIntosh, A. E. Hassan, and K. Matsumoto. Comments on "researcher bias: The use of machine learning in software defect prediction". *IEEE Transactions on Software Engineering*, 42 (11):1092–1094, November 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7450669`. See [SBH14] and reply [SHB18].

Tantithamthavorn:2017:ECM

[TMHM17] C. Tantithamthavorn, S. McIntosh, A. E. Hassan, and K. Matsumoto. An empirical comparison of model validation techniques for defect prediction models. *IEEE Transactions on Software Engineering*, 43(1):1–18, January 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7497471`. See comments [Her17].

Tantithamthavorn:2019:IAP

[TMHM19] C. Tantithamthavorn, S. McIntosh, A. E. Hassan, and K. Matsumoto. The impact of automated parameter optimization on defect prediction models. *IEEE Transactions on Software Engineering*, 45 (7):683–711, July 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Tsantalis:2015:ARS

[TMK15] N. Tsantalis, D. Mazinanian, and G. P. Krishnan. Assessing the refactorability of software clones. *IEEE Transactions on Software Engineering*, 41 (11):1055–1090, November 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL `http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7130676`.

Thomas:2013:ICC

[TNBH13] S. W. Thomas, M. Nagappan, D. Blostein, and A. E. Hassan. The impact of classifier configuration and classifier combination on bug localization. *IEEE Transactions on Software Engineering*, 39(10):1427–1443, October 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6520844.

Toledo:2012:AJA

[TNTN12] R. Toledo, A. Nunez, E. Tanter, and J. Noye. Aspectizing Java access control. *IEEE Transactions on Software Engineering*, 38(1):101–117, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5680915.

Tufano:2017:WWY

[TPB+17] M. Tufano, F. Palomba, G. Bavota, R. Oliveto, M. D. Penta, A. De Lucia, and D. Poshyvanyk. When and why your code starts to smell bad (and whether the smells go away). *IEEE Transactions on Software Engineering*, 43(11):1063–1088, November 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7817894.

Treude:2015:EDT

[TRD15] C. Treude, M. P. Robillard, and B. Dagenais. Extracting development tasks to navigate software documentation. *IEEE Transactions on Software Engineering*, 41(6):565–581, June 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7000568.

Tribastone:2013:FML

[Tri13] M. Tribastone. A fluid model for layered queueing networks. *IEEE Transactions on Software Engineering*, 39(6):744–756, June 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6314480.

Treude:2012:WIT

[TS12] C. Treude and M. A. Storey. Work item tagging: Communicating concerns in collaborative software development. *IEEE Transactions on Software Engineering*, 38(1):19–34, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5611552.

Thome:2020:IAE

[TSBB20] J. Thomé, L. K. Shar, D. Bianculli, and L. Briand.

An integrated approach for effective injection vulnerability analysis of web applications through security slicing and hybrid constraint solving. *IEEE Transactions on Software Engineering*, 46(2):163–195, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Torrado:2013:SRM

[TWL13] N. Torrado, M. P. Wiper, and R. E. Lillo. Software reliability modeling with software metrics data via Gaussian processes. *IEEE Transactions on Software Engineering*, 39(8):1179–1186, August 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6392172.

Tian:2015:SPD

[TZL+15] Z. Tian, Q. Zheng, T. Liu, M. Fan, E. Zhuang, and Z. Yang. Software plagiarism detection with birthmarks based on dynamic key instruction sequences. *IEEE Transactions on Software Engineering*, 41(12):1217–1235, December 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7153572.

Tang:2017:SNI

[TZM+17] E. Tang, X. Zhang, N. T. Müller, Z. Chen, and X. Li. Software numerical instability detection and diagnosis by combining stochastic and infinite-precision testing. *IEEE Transactions on Software Engineering*, 43(10):975–994, October 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7792694.

Unterkalmsteiner:2012:EMS

[UGI+12] M. Unterkalmsteiner, T. Gorschek, A. K. M. M. Islam, C. K. Cheng, R. B. Permadi, and R. Feldt. Evaluation and measurement of software process improvement — a systematic literature review. *IEEE Transactions on Software Engineering*, 38(2):398–424, March/April 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5728832.

Uzuncaova:2010:ITG

[UKB10] E. Uzuncaova, S. Khurshid, and D. Batory. Incremental test generation for software product lines. *IEEE Transactions on Software Engineering*, 36(3):309–322, May/June 2010. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5456077.

Upadhyaya:2018:ASC

[UR18] Ganesha Upadhyaya and Hridesh Rajan. On accelerating source code analysis at massive scale. *IEEE Transactions on Software Engineering*, 44(7):669–688, July 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8344505/.

Vegas:2016:CDS

[VAJ16] S. Vegas, C. Apa, and N. Juristo. Crossover designs in software engineering experiments: Benefits and perils. *IEEE Transactions on Software Engineering*, 42(2):120–135, February 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7192651.

Vara:2014:DTM

[VBJM14] J. M. Vara, V. A. Bollati, Á. Jiménez, and E. Marcos. Dealing with traceability in the MDD of model transformations. *IEEE Transactions on Software Engineering*, 40(6):555–583, June 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6784505.

Valente:2012:SAA

[VBP12] M. T. Valente, V. Borges, and L. Passos. A semi-automatic approach for extracting software product lines. *IEEE Transactions on Software Engineering*, 38(4):737–754, July/August 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5928352.

Vilela:2020:SPR

[VCMG20] J. Vilela, J. Castro, L. E. G. Martins, and T. Gorschek. Safety practices in requirements engineering: The Uni-REPM safety module. *IEEE Transactions on Software Engineering*, 46(3):222–250, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Valero:2017:TAM

[VDC17] V. Valero, G. Díaz, and M. E. Cambronero. Timed automata modeling and verification for publish–subscribe structures using distributed resources. *IEEE Transactions on Software Engineering*, 43(1):76–99, January 2017. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7463051.

vanderLinden:2019:SLR

[vH19] D. van der Linden and I. Hadar. A systematic literature review of applications of the physics of notations. *IEEE Transactions on Software Engineering*, 45(8): 736–759, August 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

VanOorschot:2012:RUM

[VW12] P. C. Van Oorschot and G. Wurster. Reducing unauthorized modification of digital objects. *IEEE Transactions on Software Engineering*, 38(1):191–204, January/February 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5680916.

White:2010:AAT

[WDS10] J. White, B. Doughtery, and D. C. Schmidt. ASCENT: An algorithmic technique for designing hardware and software in tandem. *IEEE Transactions on Software Engineering*, 36(6):838–851, November/December 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5539763.

Wang:2014:PCM

[WDZ+14] X. Wang, Y. Dang, L. Zhang, D. Zhang, E. Lan, and H. Mei. Predicting consistency-maintenance requirement of code clonesat copy-and-paste time. *IEEE Transactions on Software Engineering*, 40(8):773–794, August 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6815760.

Wnuk:2016:SST

[WGC+16] K. Wnuk, T. Gorschek, D. Callele, E. A. Karlsson, E. Åhlin, and B. Regnell. Supporting scope tracking and visualization for very large-scale requirements engineering-utilizing FSC+, decision patterns, and atomic decision visualizations. *IEEE Transactions on Software Engineering*, 42(1):47–74, January 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7123669.

Wong:2016:SSF

[WGL+16] W. E. Wong, R. Gao, Y. Li, R. Abreu, and F. Wotawa. A survey on software fault localization. *IEEE Transactions on Software Engineering*

neering, 42(8):707–740, August 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7390282.

Wang:2018:FCB

[WHYY18] Yanchun Wang, Qiang He, Dayong Ye, and Yun Yang. Formulating criticality-based cost-effective fault tolerance strategies for multi-tenant service-based systems. *IEEE Transactions on Software Engineering*, 44(3):291–307, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/document/7876832/.

Wang:2017:DGS

[WLG+17] H. Wang, T. Liu, X. Guan, C. Shen, Q. Zheng, and Z. Yang. Dependence guided symbolic execution. *IEEE Transactions on Software Engineering*, 43(3):252–271, March 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7497518.

Wu:2016:LWI

[WLX+16] T. Wu, J. Liu, Z. Xu, C. Guo, Y. Zhang, J. Yan, and J. Zhang. Light-weight, inter-procedural and callback-aware resource leak detection for Android apps. *IEEE Transactions on Software Engineering*, 42(11):1054–1076, November 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7442579.

Weidlich:2011:ECM

[WMW11] M. Weidlich, J. Mendling, and M. Weske. Efficient consistency measurement based on behavioral profiles of process models. *IEEE Transactions on Software Engineering*, 37(3):410–429, May/June 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5611557.

Wilkerson:2012:CDR

[WNM12] J. W. Wilkerson, J. F. Nunamaker, and R. Mercer. Comparing the defect reduction benefits of code inspection and test-driven development. *IEEE Transactions on Software Engineering*, 38(3):547–560, May/June 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5750007.

Wu:2020:ECC

[WNP+20] H. Wu, C. Nie, J. Petke,

Y. Jia, and M. Harman. An empirical comparison of combinatorial testing, random testing and adaptive random testing. *IEEE Transactions on Software Engineering*, 46(3):302–320, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Wu:2015:EAD

[WSC+15] L. Wu, K. Su, S. Cai, X. Zhang, C. Zhang, and S. Wang. An I/O efficient approach for detecting all accepting cycles. *IEEE Transactions on Software Engineering*, 41(8):730–744, August 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7056483.

Wang:2015:SSE

[WSW+15] T. Wang, J. Sun, X. Wang, Y. Liu, Y. Si, J. S. Dong, X. Yang, and X. Li. A systematic study on explicit-state non-Zenoness checking for timed automata. *IEEE Transactions on Software Engineering*, 41(1):3–18, January 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6908008.

Wang:2017:LIC

[WSWQ17] X. Wang, J. Sun, T. Wang, and S. Qin. Language inclusion checking of timed automata with non-zenoness. *IEEE Transactions on Software Engineering*, 43(11):995–1008, November 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7819478.

Wang:2017:ORP

[WWY+17] H. Wang, L. Wang, Q. Yu, Z. Zheng, A. Bouguettaya, and M. R. Lyu. Online reliability prediction via motifs-based dynamic Bayesian networks for service-oriented systems. *IEEE Transactions on Software Engineering*, 43(6):556–579, June 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7585067.

Wang:2018:ULC

[WWY+18] Zhe Wang, Chenggang Wu, Xiang Yuan, Zhenjiang Wang, Jianjun Li, Pen-Chung Yew, Jeff Huang, Xiaobing Feng, Yanyan Lan, Yunji Chen, Yuanming Lai, and Yong Guan. Using local clocks to reproduce concurrency bugs. *IEEE Transactions on Software Engineering*, 44(11):1112–1128, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-

3520 (electronic). URL https://ieeexplore.ieee.org/document/8038023/.

Wang:2018:ASR

[WYZ+18] Ying Wang, Hai Yu, Zhiliang Zhu, Wei Zhang, and Yuli Zhao. Automatic software refactoring via weighted clustering in method-level networks. *IEEE Transactions on Software Engineering*, 44(3):202–236, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/document/7874207/.

Ward:2011:DSA

[WZ11] M. P. Ward and H. Zedan. Deriving a slicing algorithm via Fermat transformations. *IEEE Transactions on Software Engineering*, 37(1):24–47, January/February 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5401170.

Wang:2013:LNE

[WZX+13] X. Wang, L. Zhang, T. Xie, H. Mei, and J. Sun. Locating need-to-externalize constant strings for software internationalization with generalized string-taint analysis. *IEEE Transactions on Software Engineering*, 39(4):516–536, April 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6216383.

Xia:2018:MPC

[XBL+18] Xin Xia, Lingfeng Bao, David Lo, Zhenchang Xing, Ahmed E. Hassan, and Shanping Li. Measuring program comprehension: A large-scale field study with professionals. *IEEE Transactions on Software Engineering*, 44(10):951–976, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7997917/.

Xie:2019:ALS

[XCZ+19] X. Xie, B. Chen, L. Zou, Y. Liu, W. Le, and X. Li. Automatic loop summarization via path dependency analysis. *IEEE Transactions on Software Engineering*, 45(6):537–557, June 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Xuan:2012:SLS

[XJRL12] J. Xuan, H. Jiang, Z. Ren, and Z. Luo. Solving the large scale next release problem with a backbone-based multilevel algorithm. *IEEE Transactions on Software Engineering*, 38(5):1195–1212, September/October 2012.

CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6261327.

Xia:2017:IAB

[XLD+17] X. Xia, D. Lo, Y. Ding, J. M. Al-Kofahi, T. N. Nguyen, and X. Wang. Improving automated bug triaging with specialized topic model. *IEEE Transactions on Software Engineering*, 43(3):272–297, March 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7484672.

Xia:2016:HMC

[XLP+16] X. Xia, D. Lo, S. J. Pan, N. Nagappan, and X. Wang. HYDRA: Massively compositional model for cross-project defect prediction. *IEEE Transactions on Software Engineering*, 42(10):977–998, October 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7435328.

Xuan:2017:NAR

[XMD+17] J. Xuan, M. Martinez, F. DeMarco, M. Clément, S. L. Marcote, T. Durieux, D. Le Berre, and M. Monperrus. Nopol: Automatic repair of conditional statement bugs in Java programs. *IEEE Transactions on Software Engineering*, 43(1):34–55, January 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7463060.

Xu:2015:CSD

[XXC+15] C. Xu, W. Xi, S. C. Cheung, X. Ma, C. Cao, and J. Lu. CINA: Suppressing the detection of unstable context inconsistency. *IEEE Transactions on Software Engineering*, 41(9):842–865, September 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7078871.

Xue:2019:ASC

[XXCL19] Y. Xue, Z. Xu, M. Chandramohan, and Y. Liu. Accurate and scalable cross-architecture cross-OS binary code search with emulation. *IEEE Transactions on Software Engineering*, 45(11):1125–1149, November 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). See author affiliation correction [XXCL21].

Xue:2021:EAS

[XXCL21] Yinxing Xue, Zhengzi Xu, Mahinthan Chandramohan, and Yang Liu. Erratum to Accurate and Scalable Cross-Architecture Cross-OS Binary Code Search With Emulation. *IEEE Transactions on Software Engineering*, 47(5):1088, 2021. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). See [XXCL19].

Xiong:2015:RFI

[XZH+15] Y. Xiong, H. Zhang, A. Hubaux, S. She, J. Wang, and K. Czarnecki. Range fixes: Interactive error resolution for software configuration. *IEEE Transactions on Software Engineering*, 41(6):603–619, June 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6991616.

Ye:2016:MBR

[YBL16] X. Ye, R. Bunescu, and C. Liu. Mapping bug reports to relevant files: A ranking model, a fine-grained benchmark, and feature evaluation. *IEEE Transactions on Software Engineering*, 42(4):379–402, April 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7270328.

Yuan:2011:GIT

[YCM11] X. Yuan, M. B. Cohen, and A. M. Memon. GUI interaction testing: Incorporating event context. *IEEE Transactions on Software Engineering*, 37(4):559–574, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5444885.

Yilmaz:2014:RME

[YDCP14] C. Yilmaz, E. Dumlu, M. B. Cohen, and A. Porter. Reducing masking effects in combinatorial interaction testing: A feedback driven adaptive approach. *IEEE Transactions on Software Engineering*, 40(1):43–66, January 2014. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6654147.

Ying:2011:FLQ

[YF11] M. Ying and Y. Feng. A flowchart language for quantum programming. *IEEE Transactions on Software Engineering*, 37(4):466–485, July/August 2011. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5611555.

Yusop:2017:RUD

[YGV17] N. S. M. Yusop, J. Grundy,

and R. Vasa. Reporting usability defects: A systematic literature review. *IEEE Transactions on Software Engineering*, 43(9): 848–867, September 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7779159.

Yu:2020:CDT

[YHW20] T. Yu, Z. Huang, and C. Wang. ConTesa: Directed test suite augmentation for concurrent software. *IEEE Transactions on Software Engineering*, 46(4):405–419, 2020. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Yilmaz:2013:TCA

[Yil13] Cemal Yilmaz. Test case-aware combinatorial interaction testing. *IEEE Transactions on Software Engineering*, 39(5):684–706, May 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6311411.

Ye:2013:WST

[YJ13] C. Ye and H. A. Jacobsen. Whitening SOA testing via event exposure. *IEEE Transactions on Software Engineering*, 39(10):1444–1465, October 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6495456.

Yu:2018:EDB

[YLQ+18] Le Yu, Xiapu Luo, Chenxiong Qian, Shuai Wang, and Hareton K. N. Leung. Enhancing the description-to-behavior fidelity in Android apps with privacy policy. *IEEE Transactions on Software Engineering*, 44(9):834–854, September 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/7987793/.

Yuan:2010:GES

[YM10] X. Yuan and A. M. Memon. Generating event sequence-based test cases using GUI runtime state feedback. *IEEE Transactions on Software Engineering*, 36(1):81–95, January/February 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5306073.

Yu:2018:TCG

[YT18] L. Yu and W. T. Tsai. Test case generation for Boolean expressions by cell covering. *IEEE Transactions on Software Engineering*, 44(1):70–99, January 2018. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7855791.

Yu:2019:CCD

[YWHH19] T. Yu, W. Wen, X. Han, and J. H. Hayes. ConPredictor: Concurrency defect prediction in real-world applications. *IEEE Transactions on Software Engineering*, 45(6):558–575, June 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Yan:2019:ACL

[YXS+19] M. Yan, X. Xia, E. Shihab, D. Lo, J. Yin, and X. Yang. Automating change-level self-admitted technical debt determination. *IEEE Transactions on Software Engineering*, 45(12):1211–1229, December 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Yi:2018:EPR

[YYG+18] Q. Yi, Z. Yang, S. Guo, C. Wang, J. Liu, and C. Zhao. Eliminating path redundancy via postconditioned symbolic execution. *IEEE Transactions on Software Engineering*, 44(1):25–43, January 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7835264.

Yang:2015:SBC

[YZL+15] Y. Yang, Y. Zhou, H. Lu, L. Chen, Z. Chen, B. Xu, H. Leung, and Z. Zhang. Are slice-based cohesion metrics actually useful in effort-aware post-release fault-proneness prediction? An empirical study. *IEEE Transactions on Software Engineering*, 41(4):331–357, April 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6954519.

Zave:2017:RAI

[Zav17] P. Zave. Reasoning about identifier spaces: How to make chord correct. *IEEE Transactions on Software Engineering*, 43(12):1144–1156, December 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7823003.

Zhang:2012:WDW

[ZB12a] C. Zhang and D. Budgen. What do we know about the effectiveness of software design patterns? *IEEE Transactions on Software Engineering*, 38(5):1213–1231, September/October 2012. CODEN IESEDJ. ISSN

0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5975176.

Zickert:2012:CES

[ZB12b] F. Zickert and R. Beck. Coping with existing systems in information systems development. *IEEE Transactions on Software Engineering*, 38(5):1027–1039, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5999674.

Zhu:2015:CDP

[ZB15] H. Zhu and I. Bayley. On the composability of design patterns. *IEEE Transactions on Software Engineering*, 41(11):1138–1152, November 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7123660.

Zhang:2015:RRV

[ZCW15] L. Zhang, A. Chattopadhyay, and C. Wang. Round-Up: Runtime verification of quasi linearizability for concurrent data structures. *IEEE Transactions on Software Engineering*, 41(12):1202–1216, December 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7192659.

Zhang:2017:USA

[ZHMZ17] F. Zhang, A. E. Hassan, S. McIntosh, and Y. Zou. The use of summation to aggregate software metrics hinders the performance of defect prediction models. *IEEE Transactions on Software Engineering*, 43(5):476–491, May 2017. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7539677.

Zhang:2012:MCC

[ZJ12] C. Zhang and H. A. Jacobsen. Mining crosscutting concerns through random walks. *IEEE Transactions on Software Engineering*, 38(5):1123–1137, September/October 2012. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5989837.

Zanjani:2016:ARP

[ZKB16] M. B. Zanjani, H. Kagdi, and C. Bird. Automatically recommending peer reviewers in modern code review. *IEEE Transactions on Software Engineering*, 42(6):530–543, June 2016. CODEN IESEDJ.

ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7328331.

Zhao:2010:PBD

[ZKZ10] C. Zhao, J. Kong, and K. Zhang. Program behavior discovery and verification: A graph grammar approach. *IEEE Transactions on Software Engineering*, 36(3):431–448, May/June 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5383371.

Zhou:2015:WWS

[ZM15] M. Zhou and A. Mockus. Who will stay in the FLOSS community? Modeling participant's initial behavior. *IEEE Transactions on Software Engineering*, 41(1):82–99, January 2015. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6880395.

Zhong:2019:ESA

[ZM19] H. Zhong and H. Mei. An empirical study on API usages. *IEEE Transactions on Software Engineering*, 45(4):319–334, April 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).

Zhang:2018:EQC

[ZNKZ18] Feng Zhang, Haoran Niu, Iman Keivanloo, and Ying Zou. Expanding queries for code search using semantically related API class-names. *IEEE Transactions on Software Engineering*, 44(11):1070–1082, ???? 2018. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL https://ieeexplore.ieee.org/document/8031055/.

Zimmermann:2010:WMG

[ZPB+10] T. Zimmermann, R. Premraj, N. Bettenburg, S. Just, A. Schroter, and C. Weiss. What makes a good bug report? *IEEE Transactions on Software Engineering*, 36(5):618–643, September/October 2010. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5487527.

Zisman:2013:PRR

[ZSDS13] A. Zisman, G. Spanoudakis, J. Dooley, and I. Siveroni. Proactive and reactive runtime service discovery: A framework and its evaluation. *IEEE Transactions on Software Engineering*, 39(7):954–974, July 2013. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.

org/stamp/stamp.jsp?arnumber=6375710.

Zhang:2016:LSD

[ZWL+16] M. Zhang, Y. Wu, S. Lu, S. Qi, J. Ren, and W. Zheng. A lightweight system for detecting and tolerating concurrency bugs. *IEEE Transactions on Software Engineering*, 42(10):899–917, October 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7412768.

Zhou:2016:MTS

[ZXC16] Z. Q. Zhou, S. Xiang, and T. Y. Chen. Metamorphic testing for software quality assessment: A study of search engines. *IEEE Transactions on Software Engineering*, 42(3):264–284, March 2016. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic). URL http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7254235.

Zhang:2019:PMT

[ZZH+19] J. Zhang, L. Zhang, M. Harman, D. Hao, Y. Jia, and L. Zhang. Predictive mutation testing. *IEEE Transactions on Software Engineering*, 45(9):898–918, September 2019. CODEN IESEDJ. ISSN 0098-5589 (print), 1939-3520 (electronic).