A Complete Bibliography of *ACM Transactions on Spatial Algorithms and Systems* (TSAS)

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA  
Tel: +1 801 581 5254  
FAX: +1 801 581 4148  
E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)  
WWW URL: http://www.math.utah.edu/~beebe/

27 March 2021  
Version 1.05

Title word cross-reference

2 [ABM16, WK18]. 3 [ABM16, VTSD18]. A* [PWH21]. K [PAB+16, CCBS18].

2017 [Are19].

Accessible [KKT+18]. Accessing [CSF+19]. accident [HHRR20].

Accumulated [KS15]. Accurate [ABY17, BBS19, WLL+19]. ACM [Are19].


Aggregation [PWH21, VTSD18]. Air [SKZ+20]. Aircraft [ACS19]. Algorithm [BMNP16, BVW16, FAMF16, PLHC19].


Area-Preserving [BMVS16]. Arrangements [PSD+21]. Arterial [MKW20]. Assessment [LNK+21].

Assigned [TSK15]. Assignment [SSTN19]. Assimilation [LH17]. Assisted [HKK+19].


Compression [PBGA19]. Computation [FAMF16, JS19, KKT+18, KS15].


D [ABM16, VTS18, WK18]. Data [AH17, ACS19, BPS18, BDKS19, CSF+19, CEGH17, DHQ+21, DPG20, DV21, HHB+21, ISNU17, KPS17, LH17, NKTB20, PBGA19, PLHC19, SGBM20, VTS18, VBME21, ZSBA21].

Data-driven [ACS19, DV21]. Databases [TL20]. Datasets [BMNP16, JSL+20, PAB+16, TDPT20].

Deep [DPG20, FNCO20, SKZ+20, TL20, VBME21, WCM20, YKC20, ZSBA21].


Determination [ROOF17]. Deviations [FKH+18]. Diagrams [ZY+21].


Dynamics [QKZU20].

Efficient [ABY17, BBS19, DBB20, EEP16, FAMF16,

Enrichment [TL20]. Environment [ATS$^+$16, TIKG18]. Environmental [FMCN20]. Epidemic [WCM20].


GTS [LCQK20]. guided [WCM20].

Hailing [JS19, PW121]. Hashing [TYZ015]. Hierarchical [FDMW20, VTS18].

Highway [TL20]. Historical [BVW16]. Human [DHQ$^+$21, HKK$^+$19, SGBM20, WLL$^+$19]. Hybrid [TYZ015].

Identifying [BDW18, FMCN20]. IGMM [SGBM20]. IGMM-GANs [SGBM20].


Join [TDPT20, WMPH19].

Labeling [GH15]. Labels [BVW16].

Large [LCKQ20]. Large-Scale [LCKQ20].

Layered [KPS17, TIKG18]. Learning [FMCN20, SKZ$^+$20, TL20, VBME21].


Obstructed [ZW+21]. occurrence [PAB+16]. Occurrences [AKAM17].


Parking [STZ+20]. Particle [LH17].

Partition [LH17]. Partition-Based [LH17].


Patrolling [STZ+20]. Pattern [LZLL20].

Patterns [BASM21, PAB+16, SOdD+20].

Pebbles [BDKS19]. Pedestrian [TLF+20, YÖR20]. People [ISNU17].


Polygonal [BMVS16]. Population
[ISNU17, ZSFB20]. position [LNK+21].
Post [DBB20]. Post-Disaster [DBB20].
Producing [BMNP16]. Products [EP20].
Programming [PWH21]. Protecting [GDSB16].
Providers [QKZU20].
Proximity [EP20, GDSB16].
Proximity-Based [GDSB16]. Public [HKK+19].
Quality [LNK+21]. Quality-of-position [LNK+21]. Quantification [HKK+19].
Queries [ATS+16, CCBS18, DCY+18, EEP16, MH19, NLC16, ZYW+21].
Querying [KTY+18].
Recommendation [WCC+20].
Relations [BDW18, SPKS16]. Release [NKTB20].
Relevance [ZH+21]. Relevant [EEP16]. Remote [DPG20].
Replication [HKK+19]. Representations [FAB+16]. Representative [ZSB20].
Resolution [ACS19]. Restore [BMNP16].
Retrieval [MIF17]. Reverse [DCY+18, HYL16].
Ride [CKT+19, GKR16, JSL+20]. Ride-Hailing [JSL+20]. Ride-Sharing [CKT+19].
Ridesharing [MH19]. Risk [LA19, RLA19].
Road [BM20, KPS17, KTY+18, MIF18, PHC19, RHNC19, WLY+19].
Robust [BMNP16, DPKW19, KPS17]. Rocks [BDKS19].
Rounding [BMNP16]. Route [CN20, DPKW19, MIF17]. Routes [FHK+18].
Routing [CSKB19, DV21, NT18].
Sampling [YSWZ18]. SARDINE [DPG20].
Scalable [SMM19]. Scale [LCK20, ZSB21].
Scenes [ROOF17].
Scheduling [RHJC19].
Schematization [BMVS16].
SCPP [BASM21]. Search [HYL16, TYZO15]. Selection [CN20, TYZO15]. Self [DPG20].
Self-Adaptive [DPG20]. Semi [ZWT+20].
Semi-supervised [ZWT+20]. Sensing [DPG20, HKK+19].
Sensing-Assisted [HKK+19].
Sensors [BDKS19, TLF+20].
Seq2Seq [WCC+20]. SeqST [WCC+20].
SeqST-GAN [WCC+20]. Sequences [PWH21]. Series [LZL20].
Server [TSK15].
Server-Assigned [TSK15].
Service [QKZU20]. Sharing [CKT+19, GKR16].
Shortest [CFWW20, JS19].
Signal [HBB+21, MKW20]. Signalized [MKW20].
Significance [AKAM17]. SIGSPATIAL [Are19]. Simplification [BMVS16].
Simulating [PSTT16]. Simulation [LH17].
Small [LGLG19]. Smart [DBB20].
SmarterROUTES [DV21].
Smoothing [BDKS19]. Snap [BMNP16].
Snapshots [MF15].
Social [GDSB16, HYL16, PK16, YOR20]. Solution [DV21].
Solve [STZ+20]. Sourced [BBH+21].
Space [SOdB+20, TKC17, ZYW+21]. Space-Time [SOdB+20].
Spaces [HKK+19]. Spark [WMPH19]. Sparse [KTH19]. Spatial [ATS+16, AH17, BPS18, BASM21, CCBS18].
REFERENCES

Aly:2017:AEE

Aydin:2017:MSS

Aref:2019:ISI
REFERENCES

Albert:2019:IMD

Ali:2016:SCQ

Ayala:2018:STM

Brito:2021:SPP

Bast:2019:EGG

Brown:2019:RPS

Both:2018:ISE
Alan Both, Matt Duckham, and Michael F. Worboys. Identifying

**Babu:2020:TTB**


**Belussi:2016:SRR**


**Buchin:2016:APS**


**Belesiotis:2018:APS**


**Budig:2016:MLM**


**Choudhury:2018:BPT**

REFERENCES


[DBB20] Nabanita Das, Souvik Basu, and Sipra Das Bit. Efficient DropBox deployment toward improving post-disaster information exchange in a smart city. *ACM Transactions on Spatial Algo-
REFERENCES


<table>
<thead>
<tr>
<th>REFERENCES</th>
<th></th>
</tr>
</thead>
</table>
REFERENCES

http://dl.acm.org/citation.cfm?id=2910580.

**Gemsa:2015:MBL**

**Goel:2016:P**

**Gollapudi:2019:ISI**

**Guting:2015:ST**

**He:2021:MIA**

**Huang:2020:IIT**

**Hemminki:2019:CRS**


Kovanen:2015:TAC

KOVANEN:2015:TA

Kannangara:2019:SSG

KANNANGARA:2019:SSG

Koide:2018:EIQ

KoidE:2018:EIQ

Lowe:2019:FRA

LOWE:2019:FRA

Li:2020:TGF

LI:2020:TGF

Li:2019:PTT

LI:2019:PTT

Long:2017:SPB
Yuan Long and Xiaolin Hu. Spatial partition-based particle filtering for data assimila-


REFERENCES


Yeasir Rayhan, Tanzima Hashem,

**Rav:2019:FRA**


**Robles-Ortega:2017:EVD**


**Smolyak:2020:CIG**


**Steininger:2020:MEN**


**Sabek:2019:RSM**


**Souza:2020:STD**


Guillaume Touya and Imran Lokhat. Deep learning for enrich-
REFERENCES


REFERENCES


[Yang:2020:SFB] Dongfang Yang, Ümit Özgüner,

**Yin:2018:FBM**


**Zhao:2016:OSE**


**Zhao:2019:SAR**


**Zhang:2020:DPS**


**Zhou:2020:SST**