

# A Bibliography of the Annual *IEEE Hot Chips Symposia*

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15 June 2022  
Version 0.33

## Title word cross-reference

16 [ABG<sup>+</sup>16]. 16 × 16 [AEJ<sup>+</sup>00]. 28 [KBN16]. 3 [Awa95, Bat97, DFG<sup>+</sup>13, Jay98, Kre98, LD98, MMG<sup>+</sup>98, Pot97, Tre96, Tre97]. 64 × 64 [Wei00].

**-nm** [ABG<sup>+</sup>16, KBN16].

**0.35-micron** [BB96]. **0.5W** [San96]. **000-Processor** [BSP<sup>+</sup>17].

**1** [BH15, Bre10, Kru00, Ste95]. **1/4** [PAGC<sup>+</sup>97]. **1/4-Inch** [PAGC<sup>+</sup>97]. **100** [PSW91, Pot97]. **100-Mops** [PSW91]. **1000-Way** [LL98]. **100Kbit** [Oru94]. **100Kbit/s** [Oru94]. **110** [San96]. **1100** [Sla97]. **115W** [Ano93a]. **12** [DTB01].

**12-bit** [OKN<sup>+</sup>00]. **13** [KW02]. **1300** [SLR<sup>+</sup>99]. **14** [WD03]. **15** [FD04]. **150** [SHMS95]. **1500** [Gan98]. **16** [DD05, FH99]. **16-Core** [FJL<sup>+</sup>13]. **16-nm** [FME18]. **160MHz** [San96]. **16bps** [CEF<sup>+</sup>99]. **17** [SS06]. **18** [KS07]. **19** [AM08]. **19-20** [Rei96]. **196** [CES<sup>+</sup>11]. **1993** [IEE93]. **1994** [IEE94]. **1995** [IEE95]. **1996** [IEE96, Rei96]. **1997** [IEE97]. **1999** [IEE99]. **1GHz** [MBB<sup>+</sup>99].

**2** [KSI<sup>+</sup>96, Lee97, MS03, NTK<sup>+</sup>97, Nga95, OWJF98, RMC04, SSB20]. **2.0** [Lee97, VBC<sup>+</sup>21]. **2000** [IEE00]. **2001** [IEE01]. **2002** [IEE02]. **2003** [IEE03]. **2004** [IEE04]. **2005** [IEE05]. **2006** [IEE06]. **2007** [IEE07]. **2008** [IEE08]. **2009** [IEE09]. **2010** [IEE10]. **2011** [IEE11]. **2012** [IEE12]. **2013** [IEE13]. **21** [AW10]. **21164** [BB96, ERPR95]. **21264** [Kes98]. **21264a**

[BVD<sup>+</sup>99]. **215Hz** [CVS<sup>+</sup>00]. **21st** [Sam99]. **22** [RE11]. **23** [BB12]. **230MHz** [O'D99]. **24** [KZ13]. **25** [NN14]. **26** [NS15]. **27** [AR16a]. **28** [CM17]. **28-nm** [CCA<sup>+</sup>19]. **29** [Eec18]. **29K** [McM95].

**3** [HWG<sup>+</sup>09, Tre98]. **30** [KR19]. **300** [Ano93a, Gan98, KS90, Nt97]. **3171** [BSC<sup>+</sup>90]. **32** [CHH<sup>+</sup>98, KS90, Kur21, RY21, Rub97, RDJ<sup>+</sup>13]. **32-bit** [NTK<sup>+</sup>97, KS90]. **32-nm** [RDJ<sup>+</sup>13]. **32-Way** [KAO05]. **32b** [San96, Ano93a]. **33** [Joh22, SS22]. **3DNow** [OWJF98].

**4** [GDES08]. **4-Gbps** [GDES08]. **4-Inch** [PAGC<sup>+</sup>97]. **40-nm** [Man09]. **4096-Core** [ZSB21]. **440LX** [Mal97]. **4MB** [Shi98]. **4x** [KKK<sup>+</sup>99].

**5** [Bro00]. **5-qubit** [CVS<sup>+</sup>00]. **5.5** [KIS<sup>+</sup>99]. **50Mpixel** [OKN<sup>+</sup>00]. **50Mpixel/s** [OKN<sup>+</sup>00]. **511-Core** [DXT<sup>+</sup>18]. **5W** [Bur97, O'D99].

**600** [Kes98, LL98]. **6000** [Ari96, OB91]. **64** [Fan99a, Kni99a, Kni99b]. **64-bit** [BBTV15, LL98, Naa95, Nt97, She95, SBKK99, Tre95]. **64-Core** [DFG<sup>+</sup>13]. **65nm** [DAV06]. **6800** [MM05]. **6M** [RMC04]. **6th** [DKyL<sup>+</sup>17]. **6th-Generation** [DKyL<sup>+</sup>17].

**8000** [Naa95]. **8500** [Joh98]. **870** [BCC<sup>+</sup>02].

**90nm** [FSP06].

**A/V** [GDES08]. **A100** [CGG<sup>+</sup>21]. **Academia** [Eec17]. **Accelerated** [BCF<sup>+</sup>14, KBN16]. **Accelerating** [Bir98, DDC<sup>+</sup>98, ESG<sup>+</sup>05, KKSS99, Lee95, TKS<sup>+</sup>99]. **Acceleration** [GHY<sup>+</sup>17]. **Accelerator** [Buc97, DXT<sup>+</sup>18, Kre98, MMG<sup>+</sup>98, PAA<sup>+</sup>06, Pia98, YYA06, Pri90, Dja96]. **Access** [O'C00a]. **Across** [DDC<sup>+</sup>98]. **Active** [PAGC<sup>+</sup>97]. **Adapter** [Edd02]. **Adaptive** [FAWR<sup>+</sup>11]. **Address** [Kut99, O'C00b, O'C00a, OG01, Vit00]. **Advanced** [SF18]. **Advances** [Hun97]. **Afternoon** [Dub97, Pra96]. **Age** [DPY18]. **Agile** [LWC<sup>+</sup>16]. **AGP** [KKK<sup>+</sup>99]. **AGPset** [Mal97]. **Ahead** [Var94]. **AI** [MD20]. **Alchemy** [Plu00a]. **Algorithm** [CD95]. **Algorithms** [Vis99]. **All-Programmable** [FME18]. **Alpha** [Ano93b, BVD<sup>+</sup>99, BB96, ERPR95, Kes98, Rub97]. **AltiVec** [DDC<sup>+</sup>98, Phi98]. **Alto** [IEE98]. **Always** [BBC<sup>+</sup>15]. **Always-on** [BBC<sup>+</sup>15]. **AMD** [BCF<sup>+</sup>14, BFS12, BCD<sup>+</sup>11, Chr95, Chr96, CKD<sup>+</sup>10, KKK<sup>+</sup>99, KMAC03, OWJF98, OS08, SSB20]. **AMD-K5** [Chr95, Chr96]. **AMULET2e** [Gar96]. **AMULET3i** [Gar00]. **Analog** [OKN<sup>+</sup>00, OW01]. **Anatomy** [THT<sup>+</sup>04]. **Annual** [Eec16, Ste90a, Ste90b]. **Appliances** [JSR<sup>+</sup>99]. **Application** [GHSV<sup>+</sup>11]. **Applications** [BYM<sup>+</sup>06, BBC<sup>+</sup>15, BSP<sup>+</sup>17, FM95, HYY96, KTP<sup>+</sup>99, LCP<sup>+</sup>11, Rub97, SC91, SF18, TSI06, Ano93b, Yea96]. **Applied** [RSS98]. **Approach** [BBSG11, KR96, LWC<sup>+</sup>16]. **APU** [BFS12]. **Architecting** [CM00]. **Architectural** [Bro00, Dub97]. **Architecture** [Als90, Ano93b, Cas00, CEM<sup>+</sup>95, CAV<sup>+</sup>14, CH06, DPY18, GM21, Gol00, GHSV<sup>+</sup>11, GA21, Hed00, Joy96, Kni99a, KFL99, KTP<sup>+</sup>99, KIS<sup>+</sup>00, LD98, LNOM08, Nem95, Nga95, OS08, Phi98, PSS<sup>+</sup>91, Rat98, RNA<sup>+</sup>12, STKS17, SL00, TUHwH99, Tre99, Tru97, WKP11, Yeh06, YYA06, ZSB21, Chr96, Hes07, OB91, Pri90, SMHB91, TO96a, BDH03]. **Architectures** [DXT<sup>+</sup>18, MD20, Vis99]. **Arena** [Joh20]. **ARM** [BBTV15, San96, SBB<sup>+</sup>17, PSB<sup>+</sup>20, SSR21]. **Arm-Based** [SSR21]. **ARM810** [Lar96]. **ARM9E** [Seg99]. **ARM9ESP** [Bur99]. **ARM9TDMI** [Bur99]. **Array**

[ABG<sup>+</sup>16, BYM<sup>+</sup>06, BSP<sup>+</sup>17]. **AsAP** [BYM<sup>+</sup>06]. **ASIC** [CC95, Man09, Pfi99]. **associated** [Mal97]. **Asynchronous** [BYM<sup>+</sup>06, Gar00]. **Athlon** [KKK<sup>+</sup>99]. **Atom** [BvdGM<sup>+</sup>15]. **ATSC** [Par98]. **Attached** [Gan98]. **Au1000** [Plu00a]. **Audio** [FM95, Sav98, Ste95]. **Audio/Video** [Ste95]. **Auditorium** [IEE98, IEE13]. **August** [IEE93, IEE94, IEE95, IEE96, IEE97, IEE98, IEE99, IEE00, IEE01, IEE02, IEE03, IEE04, IEE05, IEE06, IEE07, IEE08, IEE09, IEE10, IEE11, IEE12, IEE13, Rei96]. **Automatically** [AAW<sup>+</sup>96]. **Automotive** [SF18]. **AV** [ASK97, SANK98]. **Availability** [Qua00]. **AXP** [Ano93b]. **Azure** [Sti19].

**Bandwidth** [SL00, WAA<sup>+</sup>20]. **Based** [SSR21, WMSH09, IDTS00]. **Basics** [Kni99a]. **Basics/Introduction** [Kni99a]. **BCM4100** [FH99]. **BCM4100/BCM4210** [FH99]. **BCM4210** [FH99]. **BCM5600** [EM99]. **Beast** [Gar95]. **Beat** [Lar96]. **Behind** [Sti19]. **Below** [FSP06]. **Benchmark** [MRC<sup>+</sup>20, AAW<sup>+</sup>96]. **Berkeley** [CFK<sup>+</sup>10]. **Best** [Bas00, RY21, WBC<sup>+</sup>96]. **Better** [Ber98, Gar95]. **Beyond** [Hes07, LCP<sup>+</sup>11]. **Big** [MMG<sup>+</sup>98]. **Binary** [CHH<sup>+</sup>98]. **bipolar** [Ano93a]. **bit** [BBTV15, LL98, Naa95, NTK<sup>+</sup>97, Nt97, OKN<sup>+</sup>00, She95, SBKK99, Tre95, KS90]. **Bitcoin** [BH15]. **Blitzen** [Kre98]. **Block** [BCC<sup>+</sup>02]. **Blocking** [AEJ<sup>+</sup>00]. **Blocks** [PSB<sup>+</sup>20]. **Blue** [HOF<sup>+</sup>12]. **board** [MKN<sup>+</sup>98]. **Bobcat** [BCD<sup>+</sup>11]. **Boost** [Gol00]. **bottleneck** [Joh90]. **Boundaries** [NCT<sup>+</sup>98]. **Brainwave** [CFO<sup>+</sup>18]. **bridge** [WBC<sup>+</sup>95, PKB<sup>+</sup>15, RNA<sup>+</sup>12]. **bridge/memory** [WBC<sup>+</sup>95]. **Brief** [Bar21]. **Bringing** [Khu96]. **Broadband** [Gol00, Gre11, Sam99, Sam00b]. **Broadcasting** [Hun97]. **Broadcom** [EM99, SP09]. **BROOM** [CCA<sup>+</sup>19]. **Building** [BCC<sup>+</sup>02, Gar95, LWC<sup>+</sup>16, PSB<sup>+</sup>20, SP09]. **Built** [MD20]. **Bulldozer** [BBSG11]. **Buses** [Jam90].

**C** [Bro00]. **C-5** [Bro00]. **C-Port** [Bro00]. **C2000** [BvdGM<sup>+</sup>15]. **C400** [SMHB91]. **C64x** [Gol00]. **CA** [IEE93, IEE94]. **CA1024** [SBS<sup>+</sup>06]. **Cache** [Bur97, CKD<sup>+</sup>10, Faa98, RMC04]. **Caches** [Cha96, VJFG17]. **California** [IEE95, IEE96, IEE97, IEE99, IEE00, IEE01, IEE02, IEE03, IEE04, IEE05, IEE06, IEE07, IEE08, IEE09, IEE10, IEE11, IEE12, IEE13, IEE98]. **Calisto** [NIJ<sup>+</sup>03]. **Camera** [Fos98]. **Can** [Ano03]. **Capabilities** [vES98]. **Capacity** [Shi98]. **Carrizo** [KBN16]. **Cartridge** [Sam00a]. **Cascade** [AFK<sup>+</sup>19]. **Case** [PAY96]. **Casting** [Pfi99]. **CD** [FM95]. **CDMA** [She99b]. **Celerity** [DXT<sup>+</sup>18]. **Center** [IEE12]. **Centip3De** [DFG<sup>+</sup>13]. **Century** [Sam99]. **Chairs** [JW98]. **Challenge** [Wha98]. **Challenges** [Pen90, Rab06, Won03, Mal97]. **Change** [Gon99]. **Channel** [Edd02]. **Chess** [hH98, hH98]. **Chip** [ABG<sup>+</sup>16, AEJ<sup>+</sup>00, Ari96, Awa95, ASN<sup>+</sup>99, BCF<sup>+</sup>14, BWBJ11, Bur97, CD95, EGL<sup>+</sup>90a, EM99, FM95, FAWR<sup>+</sup>11, Fos98, FH00, Gar00, HOF<sup>+</sup>12, hH98, Joh20, KST04, KML04, Kec97, KSIA95, McC99, NIJ<sup>+</sup>03, NCT<sup>+</sup>98, Oru94, PAGC<sup>+</sup>97, Pet00, Plu00a, Pot97, Rat98, SC91, SO14, SGG<sup>+</sup>12, Shi98, Ste95, SBS<sup>+</sup>06, TSW<sup>+</sup>01, Wei00, Ano93d, KSI<sup>+</sup>96, MKN<sup>+</sup>98, TO96a]. **Chiplet** [WAA<sup>+</sup>20, ZSB21]. **Chips** [AS95, Alt13, Alt14, AAFH95, AM08, AR16a, AR16b, Ano95, Ano00, Ano03, AW10, BS98, BB12, CM17, DTB01, DD05, DXT<sup>+</sup>18, Dit00, Eec15, Eec16, Eec17, Eec18, FD04, HW91, IEE94, IEE97, IEE99, IEE00, IEE01, IEE02, IEE03, IEE04, IEE05, IEE06, IEE07, IEE08, IEE09, IEE10, IEE11, IEE12, IEE13, Joh19, Joh20, Joh22, Joh90, KZ13, KB20, KW02, KS07, KR19, Kur21, Mat97,

NN14, NS15, NPY<sup>+</sup>21, RY21, Rat06, Rei96, RE11, RC13, SS22, SS06, Ste90a, Ste90b, WD03, IEE93, IEE95, IEE96, IEE98, JA96, Alt11, Hoo90, Jou92, KvdW09, Var94]. **Chips-III** [Jou92]. **Chipset** [CEF<sup>+</sup>99, FH99, GDES08]. **Chipsets** [Par98]. **Choices** [Ano95]. **Circuit** [Kid14]. **Circuits** [TKM<sup>+</sup>02]. **Classifier** [IDTS00]. **ClassiPI** [IDTS00]. **Clipper** [SMHB91]. **clock** [Cra90]. **Clockless** [Cum04]. **close** [hH98]. **Cloud** [PSB<sup>+</sup>20]. **Cloud-to-Edge** [PSB<sup>+</sup>20]. **Clouds** [MFN<sup>+</sup>17]. **Cluster** [BDH03]. **CMOS** [San96, AEJ<sup>+</sup>00, Ano94c, CCA<sup>+</sup>19, Faa98, PAGC<sup>+</sup>97, RDJ<sup>+</sup>13]. **CMP** [CH06, HHS<sup>+</sup>99, HHS<sup>+</sup>00]. **CMT** [CCE<sup>+</sup>09]. **Co** [Hay97, JW98, KKO06]. **Co-Chairs** [JW98]. **Co-Processor** [Hay97, KKO06]. **Code** [DKyL<sup>+</sup>17, RNA<sup>+</sup>12]. **Code-Named** [DKyL<sup>+</sup>17, RNA<sup>+</sup>12]. **Codes** [Rat06]. **Codesign** [GHY<sup>+</sup>17]. **CoinTerra** [BH15]. **Collaborative** [Mey06]. **Color** [BD99]. **Combining** [TO96a]. **Commercial** [SBKK99]. **Commodity** [Ros99]. **Common** [Man09]. **Communications** [CAV<sup>+</sup>14, FME18, Gol00, Hun97, LS98, NIJ<sup>+</sup>03, Sam99, She99a, She99b, Sla97]. **Companies** [Bas00]. **Compatible** [Bos96]. **Compilation** [Fan99b]. **Compiler** [ADG<sup>+</sup>96, Fan99a, Pen90, TGK<sup>+</sup>96]. **Compilers** [AAFH95, KFL99]. **Complexity** [MM96]. **Compliant** [Par98]. **Compositing** [Dja96]. **Compression** [AHM<sup>+</sup>00, CD95, Nga95]. **Computation** [SVC01, CVS<sup>+</sup>00]. **Computational** [TKM<sup>+</sup>02]. **Compute** [BBSG11, HOF<sup>+</sup>12, TSV<sup>+</sup>20, VBC<sup>+</sup>21]. **Computer** [Bre10, DPY18, Kut99, RSS98, TSV<sup>+</sup>20]. **Computing** [Bar21, BJ06, CFK<sup>+</sup>10, CSM<sup>+</sup>21, DHM97, Dit00, KKSS99, LNOM08, LCP<sup>+</sup>11, MYK<sup>+</sup>10, McC99, ND10, TKS<sup>+</sup>99, YHT<sup>+</sup>15, ZSB21]. **concurrency** [Yea96]. **conference** [IEE98]. **Configurable** [DHM97, Gon99, Gon00]. **Configuration** [MKN<sup>+</sup>98]. **Confronting** [Wha98]. **Connected** [Sam99]. **Connecting** [FH00]. **connections** [SL00]. **Considerations** [Wei96]. **Consoles** [ML21]. **Consumer** [FM95, KTP<sup>+</sup>99]. **Content** [IDTS00]. **Continue** [Jam90]. **Continuous** [ABD<sup>+</sup>97]. **Controller** [Bur97, NABR95, TSW<sup>+</sup>01, Tre98, WBC<sup>+</sup>95]. **Converged** [PKB<sup>+</sup>15]. **Convey** [Bre10]. **Cool** [Ano03, Dit00, Rat06, Ano93d]. **Cooler** [Bal95]. **Coprocessor** [DKB<sup>+</sup>90, Bar97]. **Coprocessors** [BSC<sup>+</sup>90, CSM<sup>+</sup>21]. **Core** [CGG<sup>+</sup>21, CC95, DXT<sup>+</sup>18, DKyL<sup>+</sup>17, DFG<sup>+</sup>13, FZW<sup>+</sup>12, FJL<sup>+</sup>13, HMB<sup>+</sup>14, Hes07, KST04, Kru00, MB05, Sha00a, Sha00b, ZSB21]. **Cores** [CSM<sup>+</sup>21]. **Cost** [BCC<sup>+</sup>02, Luc99, SBS<sup>+</sup>06, Ano93b, KSI<sup>+</sup>96, SLR<sup>+</sup>99]. **Cost-Effective** [BCC<sup>+</sup>02, SBS<sup>+</sup>06, KSI<sup>+</sup>96]. **Coupled** [LD98]. **Court** [WBC<sup>+</sup>96]. **CPU** [Cra90, Gan98, HMR96, Kum96, Mod97, Nt97]. **CPUs** [Ber98, ESG<sup>+</sup>05, Kur21]. **Crossbar** [Cum04, Wei00]. **Crusoe** [Dit00, Fle00]. **Cryptocurrency** [BH15]. **Cryptography** [Bir98]. **Cryptosystems** [ESG<sup>+</sup>05]. **Crystal** [BD99]. **Cubes** [Ano03]. **Cupertino** [IEE12]. **Custom** [Dja96, Faa98]. **Cutting** [Eec17, Fle00, LB00]. **Cutting-Edge** [Eec17, LB00]. **CW4010** [CC95]. **Cycle** [Pra96, Cra90]. **Cycles** [ABD<sup>+</sup>97]. **D** [Awa95, Bat97, DFG<sup>+</sup>13, Jay98, Kre98, LD98, MMG<sup>+</sup>98, Pot97, Shi98, Tre96, Tre97]. **DAC** [Dja96]. **Dancing** [Lar96]. **Dark** [GHSV<sup>+</sup>11]. **Datacenter** [BvdGM<sup>+</sup>15, CFO<sup>+</sup>18]. **DataPlay** [Dav02]. **Datawave** [SC91]. **Day** [Ano03]. **DDC** [Kid14]. **Debuts** [AHM<sup>+</sup>00]. **DECchip21066** [Ano93b]. **Decoder** [Ste95]. **Decoding** [MD06]. **Defining** [War97]. **Definition** [MD06]. **Delay** [NTK<sup>+</sup>97]. **Delta** [Tre96]. **dense** [FSP06].

**Denver** [BBTV15]. **Design** [BTR02, BB96, DXT<sup>+</sup>18, Dub97, EGL<sup>+</sup>90b, EGL<sup>+</sup>90a, Gon99, Joh20, MBB<sup>+</sup>99, NPY<sup>+</sup>21, PKB<sup>+</sup>15, RSS<sup>+</sup>08, SMHB91, SBKK99, WP97, Won03, Joh90, Pap96]. **Designing** [CSM<sup>+</sup>21, hH98, WBC<sup>+</sup>95]. **Designs** [LB00]. **Desktop** [Khu96]. **Developing** [BSC<sup>+</sup>90, Chr96, Pri90]. **Development** [Mey06, Chr96, Mal97]. **Device** [DHM97]. **Devices** [Vit00]. **Did** [Joh20, hH98]. **dies** [Pap96]. **Different** [Lar96]. **Digital** [FME18, Fos98, OKN<sup>+</sup>00, OW01, PAGC<sup>+</sup>97, Sav98, TP10, THT<sup>+</sup>04, Rub97]. **Digital-RF** [FME18]. **Directed** [CHH<sup>+</sup>98]. **Direction** [Gre11]. **DirectX** [Tre98]. **Discussion** [vdWAB<sup>+</sup>06, GTB99]. **Display** [BD99]. **Distributed** [GM21, NABR95]. **Distribution** [Dav02, DHM97]. **Diverse** [Eec15]. **DNNs** [CFO<sup>+</sup>18]. **Do** [ABD<sup>+</sup>97]. **DRAM** [KGM<sup>+</sup>00, LD98, O'C00b, O'C00a, PAY96, Shi98]. **DRAMs** [Prz97]. **Driven** [DSK<sup>+</sup>92]. **Driving** [TSV<sup>+</sup>20]. **Drum** [Lar96]. **DSP** [CAV<sup>+</sup>14]. **DTV** [Par98, Rat98]. **Dual** [KST04, MB05]. **Dual-Core** [KST04, MB05]. **Dual-Thread** [MB05]. **Dust** [WAP00]. **Dynamic** [Fan99b, Mod97]. **Dynamically** [SGG<sup>+</sup>12, YYA06].

**ECL** [Ano93a, BAC<sup>+</sup>90]. **Economics** [WD03]. **Edge** [BWB11, CSM<sup>+</sup>21, Eec17, LB00, PSB<sup>+</sup>20, Plu00a]. **Edge-Computing** [CSM<sup>+</sup>21]. **Editors** [AS95, AM08, AW10, BS98, DTB01, FD04, HW91, JA96, KW02, KS07, LB00, SS06, WD03]. **Effective** [BCC<sup>+</sup>02, SBS<sup>+</sup>06, KSI<sup>+</sup>96]. **Effectiveness** [Lee97]. **Effects** [Joh98]. **Efficient** [Bat97, BvdGM<sup>+</sup>15, DSK<sup>+</sup>92, FZW<sup>+</sup>12, GHY<sup>+</sup>17, KBN16, MD06, TUHwH99]. **efficiently** [Yea96]. **Eight** [FJL<sup>+</sup>13]. **Electronics** [RSS98]. **eliminate** [Joh90]. **Embedded** [ASK97, Cum04, KGM<sup>+</sup>00, LD98, O'C00b, O'C00a, SANK98].

**Emerging** [Joh19]. **Emotion** [KIS<sup>+</sup>99, KIS<sup>+</sup>00]. **Emphasizing** [Yea96]. **Empowering** [DPY18]. **EMU10K1** [Sav98]. **Emulation** [HWG<sup>+</sup>09]. **Emulator** [HMR96]. **Enabling** [Sam99, Seg99, Vit00]. **Encoder** [KSIA95, MKN<sup>+</sup>98, Nga95, KSI<sup>+</sup>96]. **End** [OKN<sup>+</sup>00, OW01, Vin07]. **Endian** [Jam90]. **Energy** [FAWR<sup>+</sup>11, KBN16]. **Energy-Efficient** [KBN16]. **Engine** [ACD<sup>+</sup>00, Sel18]. **Engines** [NABR95]. **Enhanced** [Luc99, SLR<sup>+</sup>99, KGM<sup>+</sup>00, Lee95]. **Entertainment** [Kut99, KKO06]. **entertainment-quality** [KKO06]. **EPI41100** [CEF<sup>+</sup>99]. **EPI41210** [CEF<sup>+</sup>99]. **EPI41210/EPI41100** [CEF<sup>+</sup>99]. **Epigram** [CEF<sup>+</sup>99]. **Era** [ND10]. **Establish** [NMP<sup>+</sup>96]. **Established** [Bas00]. **Estimation** [KSIA95]. **Ethernet** [AEJ<sup>+</sup>00, EM99, MD20]. **Evaluation** [EG95]. **Evening** [WBC<sup>+</sup>96]. **Evolving** [Bal95, Hes07]. **executing** [Cra90]. **Execution** [EG95, Kes98, Mod97, Rub97, ERPR95]. **Expanding** [NCT<sup>+</sup>98]. **experience** [KKO06]. **Exploiting** [Alt13]. **Exploring** [FZW<sup>+</sup>12]. **Exponentiation** [Oru94]. **Express** [CRTI00]. **Extensible** [Gon99, Gon00]. **Extension** [SBB<sup>+</sup>17, TUHwH99]. **Extensions** [Gol00, Lee97, Mah96, Tha99].

**Fabric** [BJ06, DXT<sup>+</sup>18, TKM<sup>+</sup>02]. **Fabrics** [Wei00]. **Face** [WD03]. **Facing** [KML04]. **Families** [Bur99]. **Family** [Als90, Bal95, BvdGM<sup>+</sup>15, McM95, OS08, Plu00a, Seg99, SL00, Yeh06]. **Fast** [Ber98, CD95, DXT<sup>+</sup>18, MMG<sup>+</sup>98, O'C00b, O'C00a, OW01, Rub97]. **Faster** [Bal95]. **Fat** [VJFG17]. **Fault** [RSS<sup>+</sup>08]. **Fault-Tolerant** [RSS<sup>+</sup>08]. **Feast** [Eec16]. **Feature** [SHMS95]. **Features** [FAWR<sup>+</sup>11, Kni99b, Naa95, Qua00]. **Fermi**

[WKP11]. **Fi** [FM95]. **Field** [ABG<sup>+</sup>16, BD99]. **Field-Programmable** [ABG<sup>+</sup>16]. **Field-Sequential** [BD99]. **final** [Pap96]. **Fine** [BSP<sup>+</sup>17]. **Fine-Grained** [BSP<sup>+</sup>17]. **First** [BH15, BBTV15, Kag96, McM95, Plu00a, Ste90a, Ste90b]. **First-Generation** [BH15]. **Five** [SVC01]. **Five-Qubit** [SVC01]. **Flexibility** [SL00]. **Flint** [IEE12]. **Floating** [BSC<sup>+</sup>90, DKB<sup>+</sup>90, ZSB21]. **Floating-Point** [BSC<sup>+</sup>90, DKB<sup>+</sup>90, ZSB21]. **Flying** [Chr96]. **Forum** [ES99, GTB99]. **Forward** [Joy96]. **Forwarding** [ACD<sup>+</sup>00, O'C00b, O'C00a]. **four** [TO96a]. **four-issue** [TO96a]. **Fourth** [HMB<sup>+</sup>14]. **Fourth-Generation** [HMB<sup>+</sup>14]. **FPGA** [DAV06, Man09]. **Frame** [Nga95]. **Frequency** [RMC04, SBJ13]. **Fresh** [KR96]. **Front** [OKN<sup>+</sup>00, OW01]. **Front-End** [OW01]. **Fujitsu** [YHT<sup>+</sup>15]. **Full** [PAGC<sup>+</sup>97, TSV<sup>+</sup>20]. **Fully** [SBS<sup>+</sup>06]. **Functions** [PAGC<sup>+</sup>97]. **Fusion** [BFS12]. **Future** [AAFH95, CH06, GHSV<sup>+</sup>11]. **FUZION** [McC99]. **FX** [Rub97, CHH<sup>+</sup>98].

**G5** [SAC<sup>+</sup>98]. **Game** [ML21]. **Gamma** [Tre97]. **Gate** [ABG<sup>+</sup>16]. **Gaudi** [MD20]. **Gbps** [GDES08]. **GeForce** [MM05]. **Gen** [PSB<sup>+</sup>20]. **Gene** [HOF<sup>+</sup>12]. **Gene/Q** [HOF<sup>+</sup>12]. **General** [ESG<sup>+</sup>05, TKM<sup>+</sup>02]. **General-Purpose** [ESG<sup>+</sup>05, TKM<sup>+</sup>02]. **Generation** [AJK<sup>+</sup>15, AFK<sup>+</sup>19, BH15, Bir98, DAV06, DKyL<sup>+</sup>17, ESG<sup>+</sup>05, HMB<sup>+</sup>14, KSSF10, KKK<sup>+</sup>99, Mah96, MYK<sup>+</sup>10, Phi98, She95, SBJ13, SGC<sup>+</sup>16, SSR21, Tre96, Tre98, Vit00, Web08, YHT<sup>+</sup>15, IDTS00]. **Genesis** [Cho98]. **Geometry** [Kre98, TUHwH99, Tre97]. **Geoscience** [LCP<sup>+</sup>11]. **GF100** [WKP11]. **GFLOPS** [KIS<sup>+</sup>99]. **Gigabit** [AEJ<sup>+</sup>00]. **Gigascale** [Mei97]. **GLINT** [Tre96, Tre97]. **Gmicro** [KS90]. **Gmicro/300** [KS90]. **goals** [Pap96]. **Godson** [FZW<sup>+</sup>12, HWG<sup>+</sup>09]. **Godson-3** [HWG<sup>+</sup>09]. **Godson-T** [FZW<sup>+</sup>12]. **Golden** [DPY18]. **Goldstrike** [BH15]. **Good** [Ber98, Joh90]. **Google** [BDH03, NPY<sup>+</sup>21]. **GPS** [KTP<sup>+</sup>99]. **GPU** [Bur20, CGG<sup>+</sup>21, FD17, ND10, WKP11]. **GPUs** [Kur21]. **Grained** [BSP<sup>+</sup>17]. **Grandmaster** [hH98]. **Graphics** [Awa95, Eer97, Jay98, Khu96, KBN16, LNom08, MMG<sup>+</sup>98, Pia98, Tre96, Tre98, Ano93c, Pri90, MM96]. **GreenDroid** [GHSV<sup>+</sup>11]. **Griffin** [OS08]. **Guest** [AS95, AM08, AW10, BS98, DTB01, FD04, HW91, JA96, KW02, KS07, LB00, SS06, WD03]. **GX** [Pri90].

**Habana** [MD20]. **HAL** [She95, EG95]. **Hardware** [BYM<sup>+</sup>06, BVD<sup>+</sup>99, Bir98, BJ06, GHY<sup>+</sup>17, Kal96, Sti19, YYA06, TO96b]. **Hardware/Software** [Kal96]. **Haswell** [HMB<sup>+</sup>14]. **HC** [Bre10]. **HC-1** [Bre10]. **HD** [GDES08]. **HDD** [TSI06]. **HDTV** [Hun97, SBS<sup>+</sup>06]. **Hearing** [WMSH09]. **Heart** [Ari96]. **Heat** [Joh20]. **heavily** [Ano95]. **Heterogeneous** [MD06]. **Hexagon** [CAV<sup>+</sup>14]. **Hi** [FM95]. **Hi-Fi** [FM95]. **Hidden** [ML21]. **hiding** [Yea96]. **Hierarchy** [CKD<sup>+</sup>10]. **High** [ASN<sup>+</sup>99, Bat97, BTR02, Cha96, CCE<sup>+</sup>09, CM00, Cum04, HBG<sup>+</sup>97, Jay98, Kru00, Kum96, LCP<sup>+</sup>11, Luc99, Mod97, MD06, O'C00a, Plu00a, Plu00b, Pot97, Qua00, RC13, Shi98, SBJ13, SLR<sup>+</sup>99, TP10, WAA<sup>+</sup>20, Yeh06, YHT<sup>+</sup>15, Ano94a, IEE93, IEE94, TO96a]. **High-Bandwidth** [WAA<sup>+</sup>20]. **High-Frequency** [SBJ13]. **High-Performance** [ASN<sup>+</sup>99, CCE<sup>+</sup>09, CM00, Cum04, HBG<sup>+</sup>97, Jay98, Kru00, LCP<sup>+</sup>11, Yeh06, YHT<sup>+</sup>15, IEE93, TO96a]. **High-Speed** [O'C00a, TP10, SLR<sup>+</sup>99]. **Higher** [RMC04]. **highest** [AAW<sup>+</sup>96]. **Highlights** [AR16b]. **Highly** [CD95, EM99, Nt97, Pro06, Ano93c]. **highly-integrated** [Ano93c]. **History**

- [Bar21]. **HL** [MKN<sup>+</sup>98]. **Home** [CEF<sup>+</sup>99, FH00, JSR<sup>+</sup>99, KKO06, Rab06]. **Horus** [KO05]. **Hot** [Alt13, Alt14, AAFH95, AR16b, Ano95, Ano00, Ano03, BS98, Eec15, Eec16, Eec17, HW91, Joh19, Joh90, JA96, KB20, Rat06, Ste90a, Ste90b, Var94, Ano93d, AS95, Alt11, AM08, AR16a, AW10, BB12, CM17, DTB01, DD05, Eec18, FD04, Hoo90, IEE93, IEE94, IEE95, IEE96, IEE97, IEE98, IEE99, IEE00, IEE01, IEE02, IEE03, IEE04, IEE05, IEE06, IEE07, IEE08, IEE09, IEE10, IEE11, IEE12, IEE13, Joh22, Jou92, KvdW09, KZ13, KW02, KS07, KR19, Kur21, Mat97, NN14, NS15, RY21, Rei96, RE11, SS22, SS06, WD03]. **HP** [Kum96]. **Human** [WMSH09]. **Hybrid** [Pro06]. **Hydra** [HHS<sup>+</sup>99, HHS<sup>+</sup>00]. **Hyperthreading** [KM03].
- I-Frame** [Nga95]. **I/O** [WAA<sup>+</sup>20, Ber98]. **i486** [Cra90]. **i740** [Pia98]. **IA** [Fan99a, Fan99b, Kni99a, Kni99b, RDJ<sup>+</sup>13]. **IA-32** [RDJ<sup>+</sup>13]. **IA-64** [Fan99a, Kni99a, Kni99b, Fan99b]. **IA64** [KFL99]. **IBM** [Ari96, AHM<sup>+</sup>00, BWBJ11, HOF<sup>+</sup>12, KST04, KSSF10, OB91, RSS<sup>+</sup>08, STKS17, SBJ13, SAC<sup>+</sup>98, STSM21, TSW<sup>+</sup>01, Web08]. **IBMLZ1** [CD95]. **IC** [Bos96, BJ06]. **IC's** [Sam99]. **If** [War97]. **iFlow** [O'C00b, OG01]. **II** [Buc97, Mod97, Hes07, HW91, KTP<sup>+</sup>99, She99b]. **III** [AHM<sup>+</sup>00, Jou92, LL98, Nt97, NCT<sup>+</sup>98]. **Illinois** [CFK<sup>+</sup>10]. **Image** [KDR<sup>+</sup>00]. **IMAGINE** [KDR<sup>+</sup>00, KDK<sup>+</sup>01]. **Imaging** [Go100, OKN<sup>+</sup>00, OW01]. **Impact** [Won03]. **Implementation** [Bat97, EGL<sup>+</sup>90b, HBG<sup>+</sup>97, Kag96, Kru00, TO96b, YYA06, SMHB91]. **Implementing** [BAC<sup>+</sup>90, Gar95]. **Implications** [Dub97]. **In-Package** [WAA<sup>+</sup>20]. **Inc.** [Plu00a]. **Inch** [PAGC<sup>+</sup>97]. **Incomplete** [Alt13]. **Increasingly** [Eec15]. **independent** [Chr96]. **Industries** [RSS98]. **Industry** [Eec17, MRC<sup>+</sup>20]. **Inference** [MD20]. **Inferno** [WP97]. **InfinBand** [Cas00]. **InfiniBand** [Ano00, Edd02]. **InfiniBridge** [Edd02]. **InfiniteReality** [MM96]. **Information** [Dav02, JSR<sup>+</sup>99, Mey06]. **Infrastructure** [PSB<sup>+</sup>20]. **initial** [Pap96]. **Innovate** [Bas00]. **Innovation** [CGG<sup>+</sup>21, Mey06, Seg99, WD03]. **Innovations** [Bre10]. **Innovative** [LD98]. **Insensitive** [NTK<sup>+</sup>97]. **Instruction** [BVD<sup>+</sup>99, Bre10, DHM97, Mah96, vES98, ERPR95]. **Instructions** [Pra96, Cra90, TO96a]. **Instructions/Cycle** [Pra96]. **instruments** [Chr96]. **Integrated** [Edd02, EM99, Jay98, Nem95, Nt97, NABR95, Pro06, Ano93c]. **Integration** [Mei97, Pet00]. **Intel** [AFK<sup>+</sup>19, BCC<sup>+</sup>02, BvdGM<sup>+</sup>15, DKyL<sup>+</sup>17, HMB<sup>+</sup>14, Mal97, Pia98, RNA<sup>+</sup>12, Sha00a, SGC<sup>+</sup>16, Wei96]. **Intellectual** [RSS98]. **Intelligent** [PAY96]. **Interaction** [Kal96]. **Interconnect** [FD17]. **Interconnects** [Ano00]. **Interface** [ASK97, FCD<sup>+</sup>99, PAGC<sup>+</sup>97]. **Interfaces** [SF18]. **Internal** [Shi98]. **Internet** [Plu00a, Plu00b, Tha99]. **Introducing** [FAWR<sup>+</sup>11]. **Introduction** [AS95, AM08, AW10, BS98, DTB01, ES99, FD04, HW91, Jou92, Kni99a, KW02, KS07, LB00, SS06, WD03, JA96]. **IP** [ACD<sup>+</sup>00]. **IP/MPLS** [ACD<sup>+</sup>00]. **IQ2000** [SL00]. **IRAM** [KGM<sup>+</sup>00, PAY96]. **Issue** [SS22, TO96a]. **Itanium** [MS03, MB05, Qua00, RMC04, Sam00a, Sha00a, Sha00b]. **Ivy** [PKB<sup>+</sup>15]. **Iwarp** [PSW91]. **IX** [IEE97, Mat97].
- Java** [Sha96, HBG<sup>+</sup>97, TO96b, WBC<sup>+</sup>96]. **Job** [Alt13].
- K5** [Chr95, Chr96]. **K6** [OWJF98]. **K6-2** [OWJF98]. **Kabini** [BCF<sup>+</sup>14]. **Key** [Bir98, ESG<sup>+</sup>05]. **Keynote** [Hes07, Kut99, Pap98, Sam99, Vin07, Vit00]. **KiloCore** [BSP<sup>+</sup>17]. **Kinect** [SO14].

**Klessydra** [CSM<sup>+</sup>21]. **Klessydra-T** [CSM<sup>+</sup>21]. **Knights** [SGC<sup>+</sup>16]. **Know** [ABD<sup>+</sup>97, hH98]. **Knowing** [hH98].

**L2** [Bur97]. **L3** [RMC04]. **Labs** [MD20]. **Laguna** [Buc97]. **Lagunita** [WBC<sup>+</sup>96]. **Lake** [AFK<sup>+</sup>19]. **Landing** [SGC<sup>+</sup>16]. **Landscape** [Eec15]. **Large** [KO05, KKSS99, TKS<sup>+</sup>99, Yea96]. **Large-Scale** [KO05]. **Larger** [RMC04]. **Latency** [Joh98, Yea96]. **Latency-hiding** [Yea96]. **Law** [RSS98]. **Learning** [DPY18, MRC<sup>+</sup>20]. **Level** [FZW<sup>+</sup>12, KSI<sup>+</sup>96]. **Lever** [Mey06]. **Lighting** [Tre97]. **Lightning** [Kre98]. **like** [Gar95]. **Limit** [Mei97]. **Line** [FH00, DGR99]. **Liquid** [BD99]. **Liquid-Crystal-on-Silicon** [BD99]. **Living** [vdWAB<sup>+</sup>06]. **LIW** [PSW91]. **Llano** [BFS12]. **LongRun** [Fle00]. **Looking** [Joy96]. **Lookup** [O'C00a]. **Lookups** [O'C00b]. **Low** [ACD<sup>+</sup>00, BCD<sup>+</sup>11, CCA<sup>+</sup>19, Kru00, Luc99, NIJ<sup>+</sup>03, Plu00a, Plu00b, RC13, SLR<sup>+</sup>99, WAA<sup>+</sup>20, Yeh06, Ano93b, Ano94a, Ano94c]. **Low-cost** [SLR<sup>+</sup>99, Ano93b]. **Low-Power** [BCD<sup>+</sup>11, Kru00, NIJ<sup>+</sup>03, WAA<sup>+</sup>20, Yeh06]. **Low-Voltage** [CCA<sup>+</sup>19]. **LSI** [MKN<sup>+</sup>98].

**M3** [RBGZ19]. **M32Rx** [Shi98]. **M32Rx/D** [Shi98]. **M7** [AJK<sup>+</sup>15]. **Machine** [DPY18, MRC<sup>+</sup>20, Ros99, WP97, TO96b]. **Machine-Learning** [DPY18]. **main** [KSI<sup>+</sup>96]. **Mainframe** [SBJ13, Web08]. **Mainstream** [Tre98]. **MAJC** [Tre99]. **Making** [SL00]. **Management** [Fle00, FAWR<sup>+</sup>11, RNA<sup>+</sup>12]. **Manticore** [ZSB21]. **Many** [FZW<sup>+</sup>12]. **Many-Core** [FZW<sup>+</sup>12]. **Manycore** [MFN<sup>+</sup>17]. **MAP** [Kec97]. **MAP1000A** [O'D99, BLO00]. **Marvell** [SSR21]. **MasPar** [Ano93d]. **Massively** [BJ06, McC99]. **Massively-Parallel** [BJ06]. **MATRIX** [DHM97]. **MAX** [Lee97]. **MAX-2** [Lee97].

**Mbps** [FH99]. **MC68060** [CEM<sup>+</sup>95]. **Mechanisms** [DSK<sup>+</sup>92]. **Media** [Bat97, CRTI00, DDC<sup>+</sup>98, Gan98, Kal96, KDK<sup>+</sup>01, KGM<sup>+</sup>00, NMP<sup>+</sup>96, Rat98, SLR<sup>+</sup>99, SBS<sup>+</sup>06, vES98, GTB99]. **Media-enhanced** [KGM<sup>+</sup>00]. **mediaDSP** [SP09]. **Mediaprocessing** [Dub97]. **Mediaprocessor** [BLO00, Luc99, O'D99, SRD96, THT<sup>+</sup>04]. **Member** [McM95]. **Memorial** [IEE98, IEE13]. **Memory** [AHM<sup>+</sup>00, CKD<sup>+</sup>10, DD05, EGL<sup>+</sup>90a, FSP06, Joh98, KKK<sup>+</sup>99, LATSK06, Naa95, NABR95, TSW<sup>+</sup>01, WBC<sup>+</sup>95]. **MEMS** [TP10]. **Merced** [War97]. **Message** [DSK<sup>+</sup>92, JW98]. **Message-Driven** [DSK<sup>+</sup>92]. **Metaflow** [PSS<sup>+</sup>91]. **Methodologies** [DXT<sup>+</sup>18]. **Methods** [Gar95]. **MHz** [Ano93a, Bur97, Gan98, Kes98, LL98, Nt97, SHMS95]. **Micro** [Mat97]. **Microarchitecture** [DKyL<sup>+</sup>17, Kag96, KM03, MS03, RNA<sup>+</sup>12, Pap96]. **Microcontroller** [Shi98]. **Microlithography** [Won03]. **Micromachining** [Bos96]. **micron** [BB96]. **Microprocessor** [ABSS95, ANUN97, ANUN98, ABIK95, BB96, Bur97, Cho98, Chr95, CES<sup>+</sup>11, Eec15, Joy96, Kes98, KS90, NTK<sup>+</sup>97, OWJF98, OS08, PSW91, Phi98, RSS<sup>+</sup>08, SBJ13, Sla97, SAC<sup>+</sup>98, TKM<sup>+</sup>02, Web08, Ano93a, Ano94b, ERPR95, JA96, Yea96]. **Microprocessors** [Eec17, Gar95, LWC<sup>+</sup>16, LCP<sup>+</sup>11, Lee95]. **Microsoft** [Wha98]. **milestones** [Ano00]. **Millenium** [Kut99]. **Millennium** [Tre99]. **MIMD** [BJ06]. **Mining** [BH15]. **MiniRISC** [CC95]. **MIPS** [CC95, MWV92, Yea96]. **MIPS64** [Kru00]. **Mitigating** [Joh98]. **ML** [Joh20, MKN<sup>+</sup>98]. **MLPerf** [MRC<sup>+</sup>20]. **MMX** [Kag96, Mod97, Wei96]. **Mobile** [BBC<sup>+</sup>15, CAV<sup>+</sup>14, Dav02, Dit00, GHSV<sup>+</sup>11, KKO06, TSI06]. **Modular** [Oru94]. **Monitor** [Ros99]. **Monolithic**

[ACD<sup>+</sup>00]. **Montecito** [MB05]. **Mops** [PSW91]. **Morning** [Prz97, Sha96]. **Mote** [WAP00]. **Motion** [KSIA95]. **Motorola** [Als90]. **Mountain** [FD04]. **move** [KKO06]. **MP** [Ano93d, MKN<sup>+</sup>98, MKN<sup>+</sup>98]. **MP-2** [Ano93d]. **Mpact** [Kal96]. **MPC105** [WBC<sup>+</sup>95]. **MPEG** [KSI<sup>+</sup>96, Nga95, Ste95]. **MPEG-1** [Ste95]. **MPEG-2** [KSI<sup>+</sup>96, Nga95]. **MPEG2** [KSIA95, MKN<sup>+</sup>98]. **MPLS** [ACD<sup>+</sup>00]. **MSP** [NMP<sup>+</sup>96]. **Multi** [Hes07, MKN<sup>+</sup>98, MD06, SBKK99, Wei00]. **Multi-chip** [MKN<sup>+</sup>98]. **Multi-Core** [Hes07]. **Multi-Standard** [MD06]. **Multi-Terabit** [Wei00]. **Multi-Threaded** [SBKK99]. **Multicomputer** [DSK<sup>+</sup>92]. **Multicomputers** [PSW91]. **Multicore** [HWG<sup>+</sup>09, LATSK06, SP09]. **Multimedia** [ASK97, ANUN97, ANUN98, Buc97, CAV<sup>+</sup>14, Dja96, HYY96, KR96, KBN16, Lee97, Mah96, SANK98, Tre95, vES98, Ano95, KKO06, Lee95, TO96a]. **Multiple** [PAA<sup>+</sup>06]. **Multiplexed** [Jam90]. **Multiprocessing** [ABG<sup>+</sup>16, KO05, MD06]. **Multiprocessor** [KMAC03, NIJ<sup>+</sup>03, SC91]. **Multiprocessors** [AAW<sup>+</sup>96]. **Multitenant** [MFN<sup>+</sup>17]. **Multithreaded** [BBSG11, CSM<sup>+</sup>21, KST04, KML04, KAO05]. **MXi** [Jay98]. **MxP** [CRTI00]. **MXT** [AHM<sup>+</sup>00, AHM<sup>+</sup>00, TSW<sup>+</sup>01].

**N1** [PSB<sup>+</sup>20]. **Named** [DKyL<sup>+</sup>17, RNA<sup>+</sup>12]. **Names** [Vin07]. **Native** [Gar95]. **Near** [DFG<sup>+</sup>13, Khu96]. **Near-Threshold** [DFG<sup>+</sup>13]. **Neon** [MMG<sup>+</sup>98]. **Neoverse** [PSB<sup>+</sup>20]. **Netburst** [KM03]. **Network** [Bro00, FH00, GHY<sup>+</sup>17, Hed00, KML04, NH00, O'C00a, SF18, BWBJ11, SL00]. **Network-Facing** [KML04]. **Networking** [CEF<sup>+</sup>99, FH99]. **Networks** [ACD<sup>+</sup>00, CRTI00]. **Neural** [GHY<sup>+</sup>17]. **New-Generation** [MYK<sup>+</sup>10]. **News** [Ano00, Ano03, Mat97]. **Nexperia** [KKO06, Pro06]. **Next** [AJK<sup>+</sup>15, AFK<sup>+</sup>19, DAV06, ESG<sup>+</sup>05, KSSF10, KKK<sup>+</sup>99, PSB<sup>+</sup>20, SSR21, Vit00, Web08, YHT<sup>+</sup>15, IDTS00]. **Next-Gen** [PSB<sup>+</sup>20]. **Next-Generation** [AJK<sup>+</sup>15, ESG<sup>+</sup>05, KSSF10, SSR21, Web08, YHT<sup>+</sup>15]. **Niagara** [KAO05]. **Nintendo64** [Hay97]. **nm** [ABG<sup>+</sup>16, CCA<sup>+</sup>19, FME18, KBN16, Man09, RDJ<sup>+</sup>13]. **Node** [DSK<sup>+</sup>92]. **Non** [AEJ<sup>+</sup>00]. **Non-Blocking** [AEJ<sup>+</sup>00]. **NorthBridge** [CH06, AHM<sup>+</sup>00, KKK<sup>+</sup>99, OS08]. **note** [Joh90]. **Notebook** [Rei96]. **Nothing** [hH98]. **Novel** [vES98]. **NPU** [SL00]. **NS486** [Nem95]. **NT** [Rub97]. **Number** [Bir98]. **NVIDIA** [Bur20, CGG<sup>+</sup>21, LNOM08, BBTV15]. **NVLink** [FD17].

**O** [Ber98, WAA<sup>+</sup>20]. **Objective** [BB96]. **Octocore** [MYK<sup>+</sup>10]. **off** [Wei96]. **offs** [Pap96, SMHB91]. **On-Chip** [Bur97, PAGC<sup>+</sup>97, TO96a]. **On-line** [DGR99]. **One** [Sel18, Cra90, SO14]. **Open** [CCA<sup>+</sup>19, DXT<sup>+</sup>18]. **Open-Source** [CCA<sup>+</sup>19, DXT<sup>+</sup>18]. **Opening** [BWJ98, BBL99, SBS97]. **Operating** [Fle00, RDJ<sup>+</sup>13]. **Operation** [CCA<sup>+</sup>19]. **Opportunities** [Rab06]. **Opteron** [CH06, CKD<sup>+</sup>10, KMAC03, KO05]. **Optical** [WAA<sup>+</sup>20]. **Optimization** [Kid14, Kni99b, Plu00b]. **Optimized** [CAV<sup>+</sup>14]. **Optimizing** [Pap95, SL00]. **Oracle** [AJK<sup>+</sup>15, FJL<sup>+</sup>13]. **Orca** [Ari96]. **Order** [BVD<sup>+</sup>99, CCA<sup>+</sup>19, Kes98, Kum96]. **Oscillators** [TP10]. **Other** [Alt14, Hun97]. **Out-of-Order** [BVD<sup>+</sup>99, CCA<sup>+</sup>19, Kes98, Kum96]. **Outsider** [Ano18]. **Overview** [Bro00, Buc97]. **Owns** [vdWAB<sup>+</sup>06].

**P55C** [Kag96]. **P6** [Pap95]. **PA** [Kum96, Joh98, Lee97, Naa95]. **PA-8000** [Kum96, Naa95]. **PA-8500** [Joh98].

**PA-RISC** [Lee97]. **Package** [WAA+20]. **Packet** [ACD+00]. **Palo** [IEE98]. **Panel** [Bas00, GTB99, JSR+99, War97, WBC+96, Wha98, vdWAB+06]. **Papers** [RY21]. **Parallel** [BSP+17, BJ06, CFK+10, McC99, Bar97]. **Parallelism** [DD05, FZW+12]. **Parallelizing** [ADG+96, TGK+96, AAW+96]. **Part** [EGL+90a, Ste90a, Ste90b, EGL+90b]. **partially** [Joh90]. **Parts** [Plu00a]. **Pascal** [FD17]. **Pathways** [Ano18]. **PC** [KR96, Tre97, Tre98]. **PCI** [SRD96, Luc99, SLR+99, WBC+95]. **PCs** [Ros99]. **PE** [Ano93d]. **Pensando** [GM21]. **Pentium** [Ano94a, Pap96]. **PentiumAE** [Mod97]. **Performance** [ASN+99, Bat97, BBSG11, Cha96, CCE+09, CGF18, CGG+21, CM00, Cum04, DD05, EG95, FD17, Gol00, HBG+97, Jay98, Khu96, Kru00, Kum96, LCP+11, MRC+20, Mod97, Naa95, Plu00a, Plu00b, Pot97, RC13, Wei96, Yeh06, YHT+15, Ano94a, IEE93, IEE94, OB91, Pap96, TO96a]. **Performance/Low** [Plu00b]. **PERMEDIA** [Tre98, Tre96]. **Personal** [Ano03]. **Perspective** [AAW+96]. **Petascale** [MYK+10]. **Phi** [SGC+16]. **Philips** [KKO06]. **Phone** [FH00]. **Phoneline** [CEF+99, FH99]. **PicoJava** [TO96b]. **Pinnacle** [TSW+01]. **Pioneer** [Alt11]. **Pipeline** [Bat97, FCD+99, Pap95]. **Piton** [MFN+17]. **PivotPoint** [Cum04]. **Pixel** [PAGC+97]. **Planet** [BDH03]. **Platform** [ABG+16, KTP+99, Man09, NIJ+03, PSB+20, SP09, Ros99]. **PNX4103** [KKO06]. **PNX8535** [Pro06]. **Point** [BSC+90, DKB+90, ZSB21]. **Policy** [IDTS00]. **Port** [Bro00]. **Portable** [LS98, Sla97, THT+04]. **Potential** [ML21]. **Power** [ACD+00, BWBJ11, BCD+11, BvdGM+15, DD05, Fle00, Hay97, Hed00, Kid14, Kru00, MM96, NIJ+03, Plu00a, Plu00b, RC13, RNA+12, WAA+20, Yeh06, Ano94a, Ano94c]. **Power-Efficient** [BvdGM+15]. **Power-Management** [RNA+12]. **POWER10** [STSM21]. **POWER4** [FCD+99, MBB+99, Pet00, BTR02]. **Power5** [KST04]. **Power6** [RSS+08]. **Power7** [FAWR+11, KSSF10]. **Power9** [STKS17]. **Powerful** [KTP+99]. **PowerPC** [Ano94b, Bal95, Bur97, SBKK99]. **Preliminary** [WAP00]. **PRISM** [SL00]. **Pro** [Pap96]. **Proceedings** [Rei96]. **Process** [Kid14, NPY+21]. **Processing** [BBC+15, BCF+14, BvdGM+15, DSK+92, DDC+98, KDR+00, KDK+01, KBN16, NMP+96, SHMS95, She99a, She99b, SBS+06, TUHwH99]. **Processor** [AJK+15, AFK+19, ASK97, Awa95, BH15, Bat97, BBTV15, BSP+17, Bro00, BWBJ11, BCD+11, BvdGM+15, CCA+19, CRTI00, CCE+09, CC95, CKD+10, DSK+92, EGL+90b, EGL+90a, Eer97, EG95, Faa98, FZW+12, FJL+13, Gan98, Gon00, HMB+14, Hay97, Hed00, HYYS96, HWG+09, Jay98, Joh98, Kal96, KST04, KSSF10, KML04, KMAC03, KKO06, KAO05, KGM+00, Kum96, KKSS99, LL98, Mah96, MYK+10, MFN+17, MS03, MB05, MD20, MWV92, Mod97, Nem95, O'C00b, O'C00a, OG01, OKN+00, OW01, Oru94, Pro06, Qua00, Rat98, RDJ+13, RBGZ19, RMC04, STKS17, SHMS95, Sam00a, San96, Sav98, Seg99, Sha00a, Sha00b, She95, SLR+99, STSM21, SVC01, SBKK99, SSB20, SSR21, SANK98, TKS+99, Tre95, Tre97, Yeh06, YHT+15, Ano93b, Ano94a, Chr96, CVS+00, TO96a, GHSV+11, Plu00a]. **Processors** [BYM+06, CM00, Gon99, Lee97, NH00, SP09, SL00, WMSH09, vES98, Ano95, PAA+06]. **Product** [SGC+16, Pap96]. **Profile** [CHH+98, KSI+96]. **Profile-Directed** [CHH+98]. **Profiling** [ABD+97, BVD+99]. **Program** [DGR99, JW98]. **Programmability** [CGF18]. **Programmable** [ABG+16, FME18, Rat98, SP09, SBS+06].

**Programming** [LATSK06]. **Programs** [TKM<sup>+</sup>02, AAW<sup>+</sup>96]. **Project** [CFO<sup>+</sup>18]. **Prominence** [Ano18]. **Property** [RSS98]. **Protocol** [NABR95]. **Provider** [ACD<sup>+</sup>00]. **Pseudo** [SHMS95]. **Public** [Bir98, ESG<sup>+</sup>05]. **Public-Key** [ESG<sup>+</sup>05]. **Purpose** [ESG<sup>+</sup>05, MD20, TKM<sup>+</sup>02]. **Purpose-Built** [MD20]. **PVP** [Bar97]. **PWRficient** [Yeh06]. **Pyramid3D** [Eer97].

**Q** [HOF<sup>+</sup>12]. **quality** [KKO06]. **Quantum** [SVC01, CVS<sup>+</sup>00]. **Qubit** [SVC01, CVS<sup>+</sup>00]. **Quiet** [Cha96].

**R10000** [ABSS95, Yea96]. **R3D** [Pot97]. **R3D/100** [Pot97]. **R4000** [MWV92]. **Rainbows** [Vin07]. **RAM** [FSP06]. **Rambus** [ASK97, Buc97]. **RAMP** [PAA<sup>+</sup>06]. **Range** [Bir98]. **Range** [KSIA95, RDJ<sup>+</sup>13]. **ratios** [AAW<sup>+</sup>96]. **Raw** [TKM<sup>+</sup>02]. **Ray** [Pfi99]. **Ray-Casting** [Pfi99]. **Real** [CFO<sup>+</sup>18, Eer97, KSIA95, Pfi99, Yea96]. **Real-Time** [KSIA95, Pfi99, Eer97]. **real-world** [Yea96]. **Reality** [Hay97]. **Really** [Ano03]. **Reconfigurable** [DHM97, YYA06]. **record** [IEE95, IEE96, IEE98]. **recorded** [AAW<sup>+</sup>96]. **Redstone** [DGR99]. **Reducing** [RC13]. **Reduction** [Kid14]. **Refining** [Pap96]. **Reliability** [BTR02, Qua00]. **Reliable** [CD95]. **rely** [Ano95]. **Remarks** [BWJ98, BBL99, SBS97]. **Remembering** [Alt11]. **Renaissance** [KB20]. **Research** [KZ13, PAA<sup>+</sup>06]. **Resilient** [CCA<sup>+</sup>19]. **Revisited** [Ste11]. **Revolution** [Cha96, DPY18, Sam00b]. **RF** [FME18]. **RFSoc** [FME18]. **Riches** [Eec16]. **RISC** [Gan98, Kum96, OB91, Ano94b, ASK97, ANUN97, ANUN98, Ari96, DXT<sup>+</sup>18, Gar95, HWG<sup>+</sup>09, Joh90, KKSS99, Lee97, LWC<sup>+</sup>16, SHMS95, SBKK99, SANK98, TKS<sup>+</sup>99, ZSB21]. **RISC-like** [Gar95]. **RISC-V** [DXT<sup>+</sup>18, LWC<sup>+</sup>16, ZSB21]. **RISCs** [Pen90]. **Rock** [Ano03, CCE<sup>+</sup>09]. **Room** [vdWAB<sup>+</sup>06]. **Route** [WBC<sup>+</sup>96]. **Routing** [Wei00]. **RTX** [Bur20]. **Run** [Ano03, Yea96].

**S** [SAC<sup>+</sup>98, OKN<sup>+</sup>00, Oru94]. **S/390** [SAC<sup>+</sup>98]. **S3** [Ste95]. **SA** [Gan98, Sla97]. **SA-1100** [Sla97]. **SA-1500** [Gan98]. **Samsung** [RBGZ19]. **Sandy** [RNA<sup>+</sup>12]. **Save** [Ano03]. **SB** [Kru00]. **SB-1** [Kru00]. **Scalable** [AFK<sup>+</sup>19, BCC<sup>+</sup>02, HWG<sup>+</sup>09, LL98, NTK<sup>+</sup>97, SBB<sup>+</sup>17]. **Scalable-Delay-Insensitive** [NTK<sup>+</sup>97]. **Scale** [Bar21, CFO<sup>+</sup>18, KO05, KKSS99, TKS<sup>+</sup>99, VJFG17]. **Scale-Out** [VJFG17]. **Scales** [FJL<sup>+</sup>13]. **Scaling** [FD04, MD20]. **Scientific** [KKSS99, TKS<sup>+</sup>99]. **Scorpio** [Sel18]. **Scylla** [NABR95]. **Search** [BDH03]. **Second** [Phi98, She95, SGC<sup>+</sup>16]. **Second-Generation** [SGC<sup>+</sup>16]. **Secrets** [Sha96]. **Security** [Sti19]. **Selected** [KZ13]. **Self** [TSV<sup>+</sup>20, Wei00]. **Self-Driving** [TSV<sup>+</sup>20]. **Semiconductor** [Plu00a, Ano00]. **Sensor** [Bos96, PAGC<sup>+</sup>97, SO14]. **Sequential** [BD99]. **Serial** [Wei00]. **Series** [GA21]. **Server** [Ano03, KSSF10, PKB<sup>+</sup>15, SGG<sup>+</sup>12, SSR21]. **Server-on-a-Chip** [SGG<sup>+</sup>12]. **Servers** [Ari96, BCC<sup>+</sup>02, KMAC03, VJFG17]. **ServerSet** [AHM<sup>+</sup>00]. **ServerWorks** [AHM<sup>+</sup>00]. **Service** [ACD<sup>+</sup>00]. **Services** [GM21]. **Serving** [CFO<sup>+</sup>18]. **Session** [War97, WBC<sup>+</sup>96, Wha98]. **Set** [Awa95, Bre10, FH00, Mah96, Pot97]. **SH4** [ANUN97, ANUN98]. **Shared** [NABR95]. **Signal** [KDR<sup>+</sup>00, She99a, She99b]. **Silicon** [BD99, FD04, GHSV<sup>+</sup>11, O'C00a, TP10, Tre96, WBC<sup>+</sup>96]. **SIMD** [McC99, Phi98, Tha99]. **Simple** [BYM<sup>+</sup>06, KSI<sup>+</sup>96]. **simulations** [Pap96]. **Single** [FM95, hH98, MKN<sup>+</sup>98, NIJ<sup>+</sup>03, Oru94, Rat98, SC91, Shi98, Ste95]. **Single-board** [MKN<sup>+</sup>98]. **Single-Chip** [NIJ<sup>+</sup>03, SC91, MKN<sup>+</sup>98]. **SiRFstar** [KTP<sup>+</sup>99]. **Sitera** [SL00]. **Sixth** [Mah96].

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