

Computer Science Conference Rankings

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Disclaimer: The rankings below are for the most prestigious category of paper at a given conference (i.e. mainly the refereed full paper track). They are based on general reputation of the conference in the field, the citation of the papers published in the conference, reputation of program committee members and reputation of the review process. It is not based on scientific measurements and thus can be controversial. While debatable, this ranking could change in time. New conferences are typically ranked in the third tier. Top conferences are known for their impact history and their rigorous review process. They should be equivalent, if not superior in impact and prestige, to reputable journals. Workshops and new (or unknown) conferences are not ranked.

The University of Alberta and/or The Department of Computing Science do not necessarily endorse this ranking. It is mainly put together after intense consultation with international colleagues. The rankings do not necessarily represent my personal views about these conferences and I am not responsible for the reputation of conferences. This is an unofficial reference. If you are looking for a scientifically accurate ranking please disregard this page. --OZ

Select conference tier... ▼

Field Legend

DB: Databases
DM: Data Mining
AI: Artificial Intelligence
NL: Natural Language Processing
ED: Computer Education
IR: Information Retrieval
W3: Web and Information Systems
DP: Distributed and Parallel Computing
GV: Graphics, Vision and HCI
MM: Multimedia
NC: Networks, Communications & Performance
SE: Security and Privacy
OS: Operating Systems / Simulations

Some seemingly second tier conferences are actually top conferences in their sub-field.

Top Tier Conferences

(Rank 1)

- (DB) VLDB: Very Large Data Bases (since 1975)
- (DB) SIGMOD: ACM SIGMOD Conf on Management of Data (since 1975)
- (DB) PODS: ACM SIGMOD Conf on Principles of DB Systems (since 1982)
- (DB) ICDE: IEEE Intl Conf on Data Engineering (since 1984)
- (DB) ICDT: Intl Conf on Database Theory (since 1986)
- (DB) EDBT: Extending DB Technology (since 1988)
- (DM) SIGKDD: ACM Knowledge Discovery and Data Mining (since 1995)
- (DM) ICDM: IEEE International Conference on Data Mining (since 2001)
- (AI) IJCAI: Intl Joint Conf on AI (since 1969)
- (AI) AAAI: American Association for AI National Conference (since 1980)

- (AI) ICML: Intl Conf on Machine Learning (since 1984)
- (AI) UAI: Conference on Uncertainty in AI (since 1985)
- (AI) UMAP: Intl Conf on User Modeling, Adaptation and Personalization (since 1985) [Was UM: Intl Conf on User Modeling until 2009]
- (AI) NIPS: Neural Information Processing Systems (since 1987)
- (AI) AAMAS: International Conference on Autonomous Agents and Multiagent Systems (since 1997) [Was AGENTS: International Conference on Autonomous Agents until 2002]
- (NL) ACL: Association for Computational Linguistics (since 1963)
- (ED) AIED: Intl Conf on Artificial Intelligence in Education (since 1983)
- (ED) ITS: Intelligent Tutoring System Conference (since 1988)
- (IR) SIGIR: ACM SIGIR Conf on Information Retrieval (since 1971)
- (W3) WWW: World-Wide Web Conference (since 1994)
- (W3) ICIS: Intl Conf on Information Systems (since 1983)
- (DP) PPOPP: Principles and Practice of Parallel Programming (since 1988)
- (DP) PACT: Intl Conf on Parallel Arch and Compil Tech (since 1990)
- (DP) IPDPS: IEEE Intl Parallel and Dist Processing Symp (since 1986)
- (DP) ICPP: Intl Conf on Parallel Processing (SINCE 1972)
- (DP) Euro-Par: European Conf. on Parallel Computing (SINCE 1995)
- (GV)SIGGRAPH: ACM SIGGRAPH Conference (since 1974)
- (GV) CVPR: IEEE Conf on Comp Vision and Pattern Recognition (since 2000)
- (GV)ICCV: Intl Conf on Computer Vision (since 1987)
- (GV)I3DG: ACM-SIGGRAPH Interactive 3D Graphics
- (MM) ACM-MM: ACM Multimedia Conference (since 1993)
- (NC) SIGCOMM: ACM Conf on Applic, Techno, Archit, and Protocols for Comp Comm (since 1977)
- (NC) PERFORMANCE: IFIP Intl Symp on Computer Performance, Modeling, Measurements & Evaluation (since 1980)
- (NC) SIGMETRICS: ACM Conf on Meas. & Modelling of Comp Sys (since 1981)
- (NC) INFOCOM: Annual Joint Conf IEEE Comp & Comm Soc (since 1982)
- (NC) MOBICOM: ACM Intl Conf on Mobile Computing and Networking (since 1995)
- (SE) IEEE Symposium on Security and Privacy (since 1980)
- (SE) CCS: ACM Conf on Comp and Communications Security (since 1993)
- (OS) SOSP: ACM SIGOPS Symp on OS Principles (since 1967)
- (OS) OSDI: Usenix Symp on OS Design and Implementation (since 1994)

Other 1st tier conferences:

- (..) FOCS: IEEE Symposium on Foundations of Computer Science (since 1959)
 - (..) STOC: ACM Symposium on Theory of Computing (since 1969)
 - (..) ICALP: International Colloquium on Automata, Languages and Programming (since 1973)
 - (..) SODA: SIAM/ACM Symposium on Discrete Algorithms (since 1990)
 - (..) ISMB: Intl Conf on Intelligent Systems for Molecular Biology (since 1993)
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- (DB) ER: Intl Conf on Conceptual Modeling (Conf on the Entity Relationship Approach) (Since 1979)
- (DB) SSDBM: Intl Conf on Scientific and Statistical DB Mgmt (since 1981)
- (DB) FODO: Intl Conf on Foundation on Data Organization (since 1981)
- (DB) DASFAA: Database Systems for Advanced Applications (since 1989)
- (DB) SSD: Intl Symp on Large Spatial Databases (since 1989)
- (DB) DOOD: Deductive and Object-Oriented Databases (since 1989)
- (DB) CIKM: Intl. Conf on Information and Knowledge Management (since 1992)
- (DB) CoopIS: Conference on Cooperative Information Systems (since 1993)
- (DM) PAKDD: Pacific-Asia Conf on Know. Discovery & Data Mining (since 1997)
- (DM) PKDD: European Conf on Principles and Practice of Knowledge Discovery in Databases (since 1997)
- (DM) DAWAK: Intl Conf on Data Warehousing and Knowledge Discovery (since 1999)
- (DM) SDM: SIAM International Conference on Data Mining (since 2001)
- (AI) AID: Intl Conf on AI in Design (since 1991)
- (AI) ECAI: European Conf on AI (since 1974)
- (AI) ECML: European Conf on Machine Learning (since 1986)
- (AI) GECCO: Genetic and Evolutionary Computation Conference (since 1999)
- (AI) ICGA: Intl Conf on Genetic Algorithms (since 1991)
- (AI) GP: Genetic Programming Conference (since 1995)
- (AI) IAAI: Innovative Applications of AI (since 1989)
- (AI) ICIP: Intl Conf on Image Processing (since 1994)
- (AI) ICNN/IJCNN: Intl (Joint) Conference on Neural Networks (since 1989)
- (AI) ICPR: Intl Conf on Pattern Recognition (since 1989)
- (AI) ICDAR: Intl Conf on Document Analysis and Recognition (since 1991)
- (AI) ICTAI: IEEE conference on Tools with AI (since 1989)
- (AI) AMAI: Intl Symp on Artificial Intelligence and Maths (since 1990)
- (NL) EAACL - European Association for Computational Linguistics (since 1983)
- (NL) COLING: Intl Conf on Computational Linguistics (since 1966)
- (NL) EMNLP: Conf on Empirical Methods in Natural Language Processing (since 1996)
- (ED) ICALT: IEEE Intl Conf on Advanced Learning Technologies (since 2001)
- (IR) TREC: Text REtrieval Conference (since 1992)
- (IR) ECIR: European Conference on Information Retrieval (since 1979)
- (W3) HYPERTEXT: ACM Conference on Hypertext and Hypermedia (since 1987)
- (W3) EC-web: Intl Conf on Electronic Commerce and Web Technologies (since 2000)
- (W3) WISE: Intl Conf on Web Information Systems Engineering (since 2000)
- (W3) ICWS: IEEE Intl Conf on Web Services (since 2003)
- (DP) ICDCS: IEEE Intl Conf on Distributed Comp Systems (since 1980)
- (DP) PODC: ACM Symp on Principles of Distributed Computing (since 1982)
- (DP) SPAA: ACM Symp on Parallel Algms and Architecture (since 1989)
- (DP) ASAP: Intl Conf on Apps for Specific Array Processors
- (DP) CCC: Cluster Computing Conference
- (DP) ICPADS: IEEE Intl Conf on Parallel and Distributed Systems (Since 1994?)
- (GV) ECCV: European Conference on Computer Vision (since 1998)

- (GV) EUROGRAPH: European Graphics Conference
- (GV) CGI: Computer Graphics International (since 1997)
- (GV) CA: Computer Animation (since 1997)
- (MM) IEEE-MM: IEEE Intl Conf on Multimedia Computing and Sys
- (MM) MMCN: ACM/SPIE Multimedia Computing and Networking
- (MM) ICME: Intl Conf on MMedia & Expo (since 2000)
- (NC) NetStore: Network Storage Symposium
- (NC) IC3N: Intl Conf on Comp Comm and Networks
- (NC) LCN: IEEE Annual Conference on Local Computer Networks
- (NC) ICC: Intl Conf on Comm
- (NC) WCNC: IEEE Wireless Communications and Networking Conference
- (SE) SECURITY: Usenix Security Symposium (since 1992)
- (SE) ESORICS: European Symposium on Research in Computer Security (since 1990)
- (OS) IEEE Annual Simulation Symposium (since 1968)
- (OS) MASCOTS: Symp Model Analysis & Sim on Comp & Telecom Sys (since 1993)

Other 2nd tier conferences:

- (.) CC: Compiler Construction (since 1986)

Third Tier Conferences

(Rank 3)

- (DB) DEXA: Database and Expert System Applications (since 1990)
- (DB) IDEAS: Intl Database Engineering and Application Symposium (since 1997)
- (DB) COMAD: Intl Conf on Management of Data (since 1989)
- (DB) BNCOD: British National Conference on Databases (since 1981)
- (DB) SBBD: Simpósio Brasileiro de Bancos de Dados (since 1986)
- (DB) ADC: Australasian Database Conference (since 1990)
- (DB) ADBIS: Symposium on Advances in DB and Information Systems (since 1993)
- (DB) DB&IS: Intl. Baltic Conference on Data Bases and Information Systems (since 1994)
- (DB) IFIP-DS: IFIP-DS Conference
- (DB) NGDB: Intl Symp on Next Generation DB Systems and Apps
- (DB) ADTI: Intl Symp on Advanced DB Technologies and Integration
- (DB) MDM - Int. Conf. on Mobile Data Access/Management (MDA/MDM)
- (DB) VDB - Visual Database Systems (Since 1989)
- (DM) ADMA: Intl Conf on Advanced Data Mining and Applications (since 2005)
- (DM) ICDM: Industrial Conference on Data Mining (since 2001)
- (DM) AusDM: Australasian Data Mining Conference (since 2002)
- (DM) EGC: Journées Francophones Extraction et Gestion de Connaissances (since 2000)
- (AI) PRICAI: Pacific Rim Intl Conf on AI (since 1990)
- (AI) AusAI: Australian Joint Conf on AI (since 1987)
- (AI) ANNIE: Artificial Neural Networks in Engineering
- (AI) ANZIIS: Australian/NZ Conf on Intelligent Inf. Systems
- (AI) CAIA: Conf on AI for Applications

- (AI) CAAI: Canadian Artificial Intelligence Conference
- (AI) ICANN: International Conf on Artificial Neural Networks
- (AI) ICCB: International Conference on Case-Based Reasoning
- (AI) ICGA: International Conference on Genetic Algorithms
- (AI) ICONIP: Intl Conf on Neural Information Processing
- (AI) ICMS: International Conference on Multiagent Systems
- (AI) ICPS: International conference on Planning Systems
- (AI) PACES: Pacific Asian Conference on Expert Systems
- (AI) SCAI: Scandinavian Conference on Artificial Intelligence
- (NL) NLDB: Applications of Natural Language to Data Bases (since 1995)
- (ED) ICCE: Intl Conf on Computers in Education
- (ED) EDmedia: World Conf on Educational Multimedia, Hypermedia & Telecommunications
- (ED) AH: Intl Conf on Adaptive Hypermedia and Adaptive Web-Based Systems
- (W3) APweb: Asia Pacific Web Conference (since 1998)
- (W3) WAIM: Intl Conf on Web-Age Information Management (since 2000)
- (W3) SAINT: Intl Symposium on Applications and the Internet (since 2001)
- (DP) EGC: European Grid Conference (since 2005)
- (DP) MPPPOI: Massively Par Proc Using Opt Interconns
- (DP) MassPar: Symp on Frontiers of Massively Parallel Proc (since 1990)
- (DP) SRDS: Symp on Reliable Distributed Systems (SINCE 1982)
- (DP) DAIS: IFIP Intl Conf on Distributed Applications and Interoperable Systems
- (GV) ACCV: Asian Conference on Computer Vision (since 1993)
- (MM) MMM: Multimedia Modelling (since 1997)
- (NC) HPCN: High-Performance Computing and Networking Geometry Modeling and Processing
- (SE) ARES: Intl Conf on Availability, Reliability and Security
- (OS) DSS: Distributed Simulation Symposium
- (OS) SCSC: Summer Computer Simulation Conference
- (OS) WCSS: World Congress on Systems Simulation
- (OS) ESS: European Simulation Symposium
- (OS) ESM: European Simulation Multiconference

Other 3rd tier conferences:

- (..) ICCSA: Intl Conf on Computational Science and its Applications (since 2001)
- (..) KES: Knowledge-Based Intelligent Information and Engineering Systems (since 1997)
- (..) ICADL: Intl Conf on Asian Digital Libraries (since 1998)
- (..) ISORC: IEEE Intl Symposium on Object-oriented Real-time distributed Computing (since 1998)
- (..) ISIM: Intl Conf on Information Systems Implementation and Modelling (since 1998)
- (..) IEEEIS: IEEE Conference On Intelligent Systems (since 2004)
- (..) ACE: ACM SIGCHI Intl Conf on Advances in Computer Entertainment Technology (since 2004)
- (..) ICGeS: Intl Conf on Global E-Security (since 2005)

- (..) PERVASIVE: Intl Conf on Pervasive Computing (since 2003)
- (..) DGO: Intl Conf on Digital Government Research (since 2000)

Unranked Conferences

(Rank ?)

- (OS) FAST: Usenix conference on File and Storage technologies (Since 2002)
- (W3) ECOWS: IEEE European Conference on Web Services (since 2003)
- (W3) ICSOC: International Conference on Service Oriented Computing (since 2003)
- (W3) ICWE: International Conference on Web Engineering (since 2000)
- (..) ICDE: World Conf on Open learning and Distance Education (Since 1981)
- (..) WCCE: IFIP World Conf on Computers in Education (Since 1981)
- (..) CAiSE: Conf on Advanced Information Systems Engineering (since 1988)
- (..) AAMAS: Intl Joint Conf on Autonomous Agents and Multiagent Systems (Since 2002)
- (..) ICVS: Intl Conf on Computer Vision Systems (since 1997)
- (..) AISC: Intl Conf on Artificial Intelligence and Sybolic Computing (since 1992)
- (..) CCC (was CoCo): IEEE Conf on Computational Complexity (since 1986)
- (..) AVI: Working Conf on Advanced Visual Interfaces (since 1992)
- (..) CRYPTO: Intl Cryptology Conf (since 1981)
- (..) SAC: ACM Symposium on Applied Computing (since 1986)
- (..) INFOVIS: IEEE Symposium on Information Visualization (since 1995)
- (..) VIS: IEEE Visualization (since 1990)
- (..) CCGRID: IEEE International Symposium on Cluster Computing and the Grid (since 2001)
- (..) CBMS: IEEE International Symposium on Computer-Based Medical Systems (since 1988)
- (..) JCDL: ACM/IEEE Joint Conference on Digital Libraries (was ADL: Advances in Digital Libraries) (since 1995)
- (..) GIS: ACM Intl Symposium of Advances in Geographic Systems (since 1993)
- (..) ICPADS: IEEE Intl Conf on Parallel and Distributed Systems (since 1994)
- (..) SEKE: Intl Conf on Software Engineering and Knowledge Engineering (since 1989)

Not Encouraged (due to dubious referee process):

- Intl Multiconferences in Computer Science -- 14 joint int'l confs.
- SCI: World Multi confs on systemics, sybernetics and informatics
- SSGRR: International conf on Advances in Infrastructure for e-B, e-Edu and e-Science and e-Medicine
- IASTED conferences
- CCCT: International Conference on Computer, Communication and Control Technologies

[IEEE Conf calendar](#)

[ACM Conf calendar](#)

[SIAM Conf calendar](#)

[DBLP Conf list](#)

Other lists of conferences

- [Conferences in programming Language Theory](#)
 - [Conferences in Programing Language and Compilers](#)
 - Conferences on parallel and Distributed Computing: ([List 1](#)), ([List 2](#)), ([List 3](#)), ([List 4](#))
 - [List of conferences in Databases and Systems](#)
 - [Conferences in Computer Vision](#)
 - [Conferences in Visualization](#)
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- [Conference Acceptance Rate Statistics](#)
 - Citeseer's [Conference Impact Ratings](#) (from 2003)
 - [SCEAS](#) (Scientific Collection Evaluator with Advanced Scoring).
 - [Computer Security Conference Ranking and Statistic](#) (by Guofei Gu)
 - Other non-official rankings (most are based on an internal ranking made at the National University Singapore after a [1999 report](#)):
 - From [Sourav Bhowmick](#) (Nanyang University, Singapore)
 - From [Guofei Gu](#) (Georgia Tech, USA)
 - From [Monash University](#)
 - [Ranking by Distributed Systems Lab at U of Chicago](#)
 - [Conference ranking by Blaise Genest](#) giving som indicators (with Europe's perspective)
 - [Ranking of Computer Security venues](#) (by Guofei Gu))
 - [cs-conference-ranking.org](#) (Method for calculating the normalized Estimated Impact of Conferences is not entirely disclosed and vague). Comments on this ranking and other similar ones can be found on <http://rankingexpose.com/>.
 - [Conference ranking](#) by the Australian CORE (COmputing Research and Education)
 - [Conference Ranking](#) by the School of Computer Engineering, Nanyang University, Singapore
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URL: <http://webdocs.cs.ualberta.ca/~zaiane/htmldocs/ConfRanking.html>