

Top-tier Conference Paper Publishing Venues

The faculty of the PhD program have created the following *Conference List* to provide guidance to PhD students regarding the unarguably highest quality publication venues. A full-length original research paper published in the main or research track of the proceedings from this conference list fulfills the PhD publication requirement. Note that there are additional methods for fulfilling the publication requirement, as documented in the Publication Requirement Policy. If another venue is considered as equivalent, the advisor of a student should provide a written justification to PhD Director for approval.

This list should not be used for other purposes. It is intended for guidance, and represents current faculty opinion. It is not comprehensive -- there may be other high-quality venues that do not appear on this list. Students may find the list useful as a means to compare their work to the finest current research in various computing fields and subfield.

This list will be maintained and updated by the Curriculum and Assessment Committee with input from PhD faculty.

Accessibility

ASSETS - International ACM SIGACCESS Conference on Computers and Accessibility
W4A - Web for All Conference

Application

ICDAR - International Conference on Document Analysis and Recognition

Artificial Intelligence

AAAI - Association for the Advancement of Artificial Intelligence
AAMAS - International Conference on Autonomous Agents and Multiagent Systems
IJCAI - International Joint Conference on Artificial Intelligence

Biomedical Applications

IPMI - Information Processing in Medical Imaging
MICCAI - Medical Image Computing and Computer-Assisted Intervention

Computer Architecture and/or VLSI

DAC - Design Automation Conference
DATE - Design and Test in Europe
ISCA - ACM International Symposium on Computer Architecture

Computer Vision

CVPR - IEEE Computer Vision and Pattern Recognition
ECCV - European Conference on Computer Vision
ICCV - IEEE International Conference on Computer Vision

Computing Education Research

ICER - International Computing Education Research Conference
SIGCSE - ACM SIGCSE Technical Symposium on Computer Science Education

Data Mining

ICDM - IEEE International Conference on Data Mining
KDD - ACM Knowledge Discovery and Data Mining

Databases

SIGMOD/PODS - ACM Conference on Management of Data */ *Symposium on
ICDE - IEEE International Conference on Data Engineering
Principles of Database Systems
VLDB - Very Large Data Bases

Distributed and Parallel Computing

ICDCS - ACM International Conference on Distributed Computing
PODC - ACM Symposium on Principles of Distributed Computing
SPAA - ACM Symposium on Parallel Algorithms and Architecture

Graphics

EUROGRAPHICS - Annual Conference for the European Association for Computer Graphics
SIGGRAPH - Annual Conference on Computer Graphics
SIGGRAPH/ASIA - Annual Conference on Computer Graphics in Asia

High Performance Computing

HPCA - International Symposium on High-performance Computer Architecture
ISCA - International Symposium on Computer Architecture
SC - ACM/IEEE Supercomputing Conference

Human-Computer Interaction

CHI - ACM Special Interest Group on Computer-Human Interaction
CSCW - Conference on Computer Supported Cooperative Work
IUI - International Conference on Intelligent User Interfaces

UIST - User Interface Software and Technology
UbiComp - Ubiquitous Computing
VRST - ACM Symposium on Virtual Reality Software and Technology

Information Retrieval

CIKM - Conference on Information and Knowledge Management
SIGIR - Special Interest Group on Information Retrieval
WSDM - International Conference on Web Search and Data Mining

Internet, Web, and Service computing

ICWS - IEEE International Conferences on Web Services
SCC - IEEE International Conferences on Service Computing
ICSOC - International Conferences on Service Oriented Computing
WWW - International World Wide Web Conference

Machine Learning

AISTATS - Artificial Intelligence and Statistics
ICML - International Conference on Machine Learning
NIPS - Neural Information Processing Systems

Mobile Computing

MOBICOM - ACM International Conference on Mobile Computing and Networking
MOBIHOC - ACM International Conference on Mobile Ad Hoc Networking and Computing
MOBISYS - ACM International Conference on Mobile Systems, Applications, and Services

Multimedia

MM - ACM Multimedia

Natural Language Processing

ACL - Meeting of the Association for Computational Linguistics
COLING - International Conference on Computational Linguistics
CONLL - Conference on Natural Language Learning
EACL - Conference of the European Chapter of the Association for Computational Linguistics
EMNLP - Empirical Methods in Natural Language Processing
NAACL - North American Chapter of the Association for Computational Linguistics

Networking and Communication

CoNEXT - International Conference on emerging Networking EXperiments and Technologies
INFOCOM - IEEE INFOCOM
NSDI - Networking System Design and Implementation
SIGCOMM - ACM SIGCOMM Conference

Operating Systems

ASPLOS - Architectural Support for Programming Languages and Operating Systems
EuroSys - European Conference on Computer Systems
OSDI - Usenix Operating Systems Design and Implementation
SOSP - ACM Symposium on Operating Systems Principles

Performance

SIGMETRICS - ACM International Conference on Measurement & Modeling of Computer Systems

Programming Languages

CAV - Computer Aided Verification
ICFP - International Conference on Function Programming
LICS - Logic in Computer Science
OOPSLA- Conference on Object-Oriented Programming Systems, Languages, and Applications
PLDI - Programming Language Design and Implementation
POPL - Symposium on Principles of Programming Languages

Security & Privacy

ASIACRYPT - International Conference on the Theory and Application of Cryptology and Information Security
CCS - ACM Conference on Computer and Communications Security
CRYPTO - International Cryptology Conference
EUROCRYPT - European Cryptology Conference
NDSS - Network and Distributed System Security Symposium
S&P - IEEE Symposium on Security and Privacy
SECURITY - Usenix Security Symposium

Software Engineering

ASE - Automated Software Engineering
FSE - International Symposium on Foundation of Software Engineering
ICSE - International Conference on Software Engineering

Sensor Networks

IPSN - Information Processing for Sensor Networks

SenSys - ACM Conference on Embedded Networked Sensor Systems

Theory

ESA - European Symposium on Algorithms

FOCS - IEEE Symposium on Foundations of Computer Science

ICALP - International Colloquium on Automata, Languages and Programming

SODA - ACM-SIAM Symposium on Discrete Algorithms

STOC - ACM Symposium on Theory of Computing

References

[1] <http://csrankings.org/>.

[2] <http://portal.core.edu.au/conf-ranks/>

[3] <http://www.conferenceranks.com/>