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.

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**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

Updated in April, 2018 based on PhD faculty input and ranking lists [1,2,3]
**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

Updated in April, 2018 based on PhD faculty input and ranking lists [1,2,3]
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

Updated in April, 2018 based on PhD faculty input and ranking lists [1,2,3]
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


Updated in April, 2018 based on PhD faculty input and ranking lists [1,2,3]