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 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.

Algorithms

SODA - ACM-SIAM Symposium on Discrete Algorithms

Application

ICDAR - International Conference on Document Analysis and Recognition

Artificial Intelligence

IJCAI - International Joint Conference on Artificial Intelligence
AAAI - Association for the Advancement of Artificial Intelligence

Biomedical Applications

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

Computer Architecture and/or VLSI

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

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

**Data Mining**

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

**Databases**

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

**Distributed and Parallel Computing**

PODC - ACM Symposium on Principles of Distributed Computing
ICDCCS - ACM International Conference on Distributed Computing
SPAA - ACM Symposium on Parallel Algorithms and Architectures

**Graphics**

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

**High Performance Computing**

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

**Human-Computer Interaction**

CHI - ACM Special Interest Group on Computer-Human Interaction
UIST - User Interface Software and Technology
CSCW - Conference on Computer Supported Cooperative Work
UbiComp - Ubiquitous Computing
**Machine Learning**

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

**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

**Networking and Communication**

SIGCOMM - ACM SIGCOMM Conference  
INFOCOM - IEEE INFOCOM  
ICNP - IEEE International Conference on Network Protocols

**Operating Systems**

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

**Performance**

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

**Programming Languages**

POPL - Symposium on Principles of Programming Languages  
OOPSLA - Conference on Object-Oriented Programming Systems, Languages, and Applications  
PLDI - Programming Language Design and Implementation  
ECOOP - European Conference on Object-Oriented Programming
**Security & Privacy**

CRYPTO - International Cryptology Conference  
S&P - IEEE Symposium on Security and Privacy  
CCS - ACM Conference on Computer and Communications Security  
SECURITY - Usenix Security Symposium

**Software Engineering**

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

**Sensor Networks**

SenSys - ACM Conference on Embedded Networked Sensor Systems  
IPSN - Information Processing for Sensor Networks

**Theory**

FOCS - IEEE Symposium on Foundations of Computer Science  
STOC - ACM Symposium on Theory of Computing  
ICALP - International Colloquium on Automata, Languages and Programming