



ASEE Annual Conference 2019 Computing and Information Technology Division Call for Papers

The **COMPUTING AND INFORMATION TECHNOLOGY DIVISION (CIT)** invites abstracts and subsequent papers for the 2019 ASEE Annual Conference being held in Tampa, Florida, June 16 - 19, 2019. CIT is a multidisciplinary group with interests in education in computing and information technology, applied information engineering, systems integration, and information technology management. **Papers that are accepted by the CIT division are automatically considered eligible for the CIT Best Paper Award.** The CIT Best Paper is then considered for the ASEE Annual Conference Best Paper award, competing against the Best Papers from other divisions.

The CIT division encourages contributors from any discipline to submit relevant abstracts for the 2019 ASEE Annual Conference. CIT Division also accepts research articles under “**Work in Progress**” category. Topics of interest to CIT include, but are not limited to, the following areas:

High Performance Computing

- Cloud Computing
- Cyberinfrastructure Systems
- Virtualization
- Operating Systems for Parallel and Distributed Systems
- Multi-tier and Enterprise Processing
- Fault Tolerance and Testing in Computing
- Cluster Computing
- Parallel Computing
- Multicore Computing
- Grid Computing
- Computing in Biology
- Teaching Parallel Application Development
- Computing in Healthcare System
- Bioinformatics

Networking and Security

- Robotic Networking
- Local and Global Privacy and Security Standards
- Designing Security into Integrated Systems
- Information Assurance and Security
- Wired and Wireless Networking
- Web Services and Internet Computing
- Network Security
- Embedded Security

Database Systems

- Data Mining and Warehousing
- Parallel Databases
- Distributed Databases

Mobile Database
Embedded Databases
Data Engineering
Big-Data Analysis

Embedded and Cyber-Physical Systems

Mobile and Ubiquitous Computing
Real-Time Systems
Mobile Applications
Mobile Systems
Wireless Sensor Networks

Student Recruitment, Curriculum, and Other Issues in Computing and Information Technology Education

Innovation in Computing Systems in Education
Novel Uses of Information Technology for Instruction
Capstone Experiences in Information and Computing Curricula
K-12 to College Computing Curricula
Assessment Approaches for the Computing Curricula
Computer Science and Information Technology Education
Undergraduate Research Involving Information and Computing
Computer Science & Information Systems Student Recruitment Activities
Women in Computing

Miscellaneous Areas of Interest

Artificial Intelligence
Computational Intelligence
Software Defined Radio
Infrastructure for Remote Education
Remote Access Laboratories
Human Computer Interaction and Visualization
Enterprise Systems Architecture / Administration
Nanotechnology
Internet of Things

Abstracts should be submitted through www.asee.org conference papers link.

Authors of accepted abstracts will be invited to prepare a full paper for peer review for publication in the conference proceedings. The CIT has a Publish-to-Present policy which states that a paper must be both submitted and accepted for publication in order to present at the annual conference.

Please contact any of the following for questions and clarifications

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