



## **ASEE Annual Conference 2020**

### **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 **Montréal, Québec, Canada June 20 - 24, 2020**. 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 2020 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
- Virtualization
- Cluster Computing
- Parallel Computing
- Multicore Computing
- Grid Computing
- Computing in Biology
- Cyberinfrastructure Systems
- Operating Systems for Parallel and Distributed Systems
- Fault Tolerance and Testing in Computing
- Teaching Parallel Application Development
- Multi-tier and Enterprise Processing
- Computing in Healthcare System
- Bioinformatics

#### **Networking and Security:**

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

#### **Database Systems:**

- Parallel Databases
- Mobile Database
- Data Engineering
- Big-Data Analysis
- Data Mining and Warehousing
- Distributed Databases
- Embedded Databases

#### **Embedded and Cyber-Physical Systems:**

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

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

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

## Miscellaneous Areas of Interest:

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

Abstracts should be submitted through [www.asee.org](http://www.asee.org) conference papers link.

## IMPORTANT DEADLINES:

<b>Tues. Sept 3, 2019</b>	Abstract Submission <b>Open</b> Panel Session Application Open
<b>Mon., Oct 14, 2019</b>	Abstract Submission Closed (Please Note: Draft Papers can be submitted as soon as Abstracts are accepted)
<b>Mon., Nov 4, 2019</b>	Abstract Accept or Reject Notification to Author Deadline
<b>Mon. Feb 3, 2020</b>	Author Deadline: Draft Paper Submission

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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