ICCSE 2019

The 14th International Conference on
Computer Science and Education

August 19-21, 2019

TORONTO

UNIVERSITY OF ONTARIO
INSTITUTE OF TECHNOLOGY

Tontonro, Ontario, Canada

Call for Papers

Brief History

From its inception in 2006, the International Conference on Computer Science and Education (ICCSE) has been held in Xiamen, Wuhan, Kaifeng, Nanning, Hefei, Singapore, Melbourne, Sri Lanka, Vancouver, Cambridge, Nagoya, and Houston for 13 years. Many internationally renowned experts, IEEE Fellows, and Academicians in the fields of *Computer Science*, *Educational Technology, Science and Engineering* have participated in these events and have made innovative and outstanding presentations. The visitors and participants of the conference include experts, academics, scientists, technicians, engineers, and other professionals from well-known and leading institutions of higher learning, research and enterprise. These activities have made the conference an excellent and effective platform for international academic communication, innovation and corporation. Selected papers from the conference will be recommended for publication in relevant, high-quality journals.

About ICCSE 2019

The 14th International Conference on Computer Science & Education (ICCSE 2019) will be held in Toronto, Canada during August 19-21, 2019. ICCSE 2019 is organized by the China National Research Council of Computer Education in Colleges & Universities (CRC-CE), hosted by University of Ontario Institute of Technology (UOIT), and with the technical sponsorship of IEEE Canada (Ontario Section). The proceedings of ICCSE (indexed by EI and ISTP) will be published by IEEE, and be included in the IEEE Xplore digital library.

The conference will consist of technical presentations including refereed papers, special workshops about current emerging topics and active research areas, invited sessions, poster sessions, panel discussions, and a special journal contributor session. In the special journal contributor session, editors of some recommended EI-indexed international journals will interact with potential contributors (conference paper authors) and discuss procedures and tips for journal paper submission.

Conference Theme

Benefiting from Collaborative Education and Research

General Scope

Computer Science

- Hardware/Software infrastructure
- Machine learning/AI
- Computer human interaction
- Control and communication
- Natural language processing
- Deep learning
- Information security
- Cloud computing
- Soft computing and intelligent systems
- Mechatronics and Robotics

Data Science
- Intelligent data mining
- Knowledge discovery
- Visualization of Big Data
- Social Media and Big Data analysis
- Techniques, models and algorithms

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•Tools, software and system engineering
•Models and approaches of Data Science
•Big Data trends and challenges

Educational Technology
•Collaborative and cooperative education
• Smart learning and education

e-Society/ smart-Society
•Culture protection by new IT/ICT
•Environment protection by new IT/ICT
•privacy, identity and trust in e-society
•e-Health/Smart healthware
•Smart traffic system
•Children and senior citizens in an e-society

•AI applications in education practice
•Tools and systems for life-long learning
•Education and learning practice
•Massive learning online course
•Curricula and courseware design
•Innovation and reform in education based on new IT

Paper Submission:

Authors should submit the full version of their manuscripts online through the conference submission system at http://easychair.org/conferences/?conf=iccse2019.

All submissions must be written in English. The submitted manuscripts should contain sufficient details including key concepts and novel features of the work, and must be formatted according to IEEE's Two-Column Format for Conference Proceedings and not exceed 6 pages including all text, references, appendices, tables, and figures. Templates are available at the conference website https://www.ieee.org/conferences/publishing/templates.html. The submissions should be made in the PDF format, which is IEEE PDF eXpress compliant. To ensure the quality and the format of their papers, authors are strongly recommended to review the papers published in previous ICCSE proceedings.

The program committee will recommend selected high-quality papers for publication in the International Journal, *Mechatronic Systems and Control (formerly Control and Intelligent Systems)*, published by ACTA press, and indexed by EI. The journal will carry out a second round blind review prior to publication.

Important Dates

Paper Submission Deadline: **April 15, 2019**
Decision Notification: **May 15, 2019**
Submission of Final Versions and Author Registration: **June 1, 2019**

Contact Us

Website: www.ieee-iccse.org
E-mail: iccse.2019@gmail.com

Registration for Conference and Pre-conference Events: **Aug 18-19, 2019**
Conference Dates: **Aug 20-21,2019**
Campus and Lab Visit: **Aug 22, 2019.**