

CALL FOR PAPERS

The 2<sup>nd</sup> International Conference on new Trends in Computing Sciences (ICTCS'19) is organized by the King Hussein School for Computing Science at Princess Sumaya University for Technology in partnership with Prince Mohammad bin Fahd University (PMU), and in collaboration with the Scientific Research Fund at the Ministry of Higher Education and the Royal Scientific Society (RSS). Building on the resounding success of its first edition, the goal of the conference is to continue providing international biannual forum where international scientists meet with Jordanian scientists from the different fields of computer science to exchange ideas and information on current trends of research results, system developments, and practical experiences. The conference will include distinguished keynote addresses with speakers from both industry and academia. Papers reporting original and unpublished research are solicited. All submitted papers will be judged based on their quality and relevance through double-blind reviewing. The conference is technically co-sponsored by the IEEE Jordan Section and the proceedings of the conference will be published in IEEEExplore digital library and indexed in Scopus. Authors of selected papers will be invited to prepare extended papers for possible publication in the following journals: International Arab Journal of Information Technology, Journal of Information and Communication Technology and the Jordanian Journal of Computer and Information Technology.

Paper Submission Deadline	<b>30/04/2019</b>
Decisions to Authors	<b>30/06/2019</b>
Camera-Ready Deadline	<b>31/08/2019</b>
Early Registration Deadline	<b>22/09/2019</b>
Conference Date	<b>09/10/2019</b>

Prospective authors are invited to submit papers in any of the following areas (not limited to):

**Data Science and Big Data**

- Evolutionary Computation
- Big Data Analytics
- Information Retrieval for Big Data
- Social Network Analysis
- Data and Text Mining
- Computational Modeling
- Data Engineering
- Mining Massive Data
- Data Visualization

**Computer and Network Security**

- Fog and Mobile Edge Computing (FMEC) Security
- Pervasive/Ubiquitous Computing Security
- Big Data Security
- Cloud Computing Security
- Mobile Security
- Network Security
- Trust Computing
- Digital Forensics and Anti-Forensics
- Data Security and Privacy

**Natural Language Processing**

- Semantic Processing
- Latent Semantic Analysis
- Linguistic Resources
- Text Entailment
- Machine Translation
- Information Retrieval
- Text Mining
- Question Answering
- Speech Analysis and Recognition

**Intelligent Systems**

- Knowledge Representation
- Multi-Agent Systems
- Machine Learning
- Fuzzy Systems
- Expert Systems
- Computer Vision
- Neural Networks and Applications
- Pattern Recognition
- Automated Problem Solving

**Electronic and virtual Learning**

- e-Learning Tools
- Mobile Learning
- Gamification
- Collaborative Learning
- Educational Systems Design
- Virtual Learning Environments
- Virtual reality for education and workforce training

**Internet of Things (IoT)**

- Architectures for the IoT
- IoT new designs and architectures
- IoT/M2M Management.
- Interoperability of IoT systems
- IoT applications
- Security and privacy of IoT
- Reliability of IoT
- Scalability issues for IoT networks.
- Disaster recovery in IoT

**Papers Submission Guidelines:**

Only original unpublished contributions are solicited for presentation. Plagiarism in any form will lead to the rejection of the paper. Authors are requested to submit their papers through EasyChair submission system ([available here](#)) on or before April 30, 2019. Simultaneous submissions (papers already submitted to other conferences/ journals) are not allowed. All papers must follow strict IEEE formatting instructions. Violation of which will lead to rejection of the paper. Submitted papers should be written in English with a maximum length of 6 pages. No-show papers are defined as papers submitted by authors who subsequently did not present the paper in-person (no videos, no remote cast) at the conference. No-show papers will be identified as “No-Show” and will not be published. No refund of the paid fees can be claimed by the no-show author.

**Paper Format**

It is required that the manuscript follows the standard IEEE camera-ready format.

- IEEE templates in MS Word, [here](#)
- LaTeX Formatting Macros, [here](#)

**The conference will host the following workshops:**

- Natural Language Processing
- Data Science
- Digital Forensics and Incident Response
- Pathway in Forensic Computing (FORC)
- Virtual innovative teaching and learning (JOVITAL)

**Review process:**

- Double-blind reviewing
- Minimum of 2 reviewers per paper; all reviewers are subject matter experts
- Each reviewer will be given a maximum of 3 papers to review in a one month period.
- Papers will be checked for plagiarism

