



# 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT)

9 - 11 April 2019, Amman, Jordan

<http://jeeit.net/>

Call for Papers

JEEIT 2019 is the joint, merged conference that IEEE – Jordan Section, Jordan Engineers Association, and Al-Zaytoonah University of Jordan organize. JEEIT 2019 merges the following three conferences in one big conference with one organizing committee, one program, and one proceedings.

1. The 5th IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (**AEECT 2019**)
2. The 11th Jordanian International Electrical and Electronic Engineering Conference (**JIEEEEC 2019**)
3. The 9th International Conference on Information Technology (**ICIT 2019**)

This IEEE-listed conference provides a unique forum to discuss practical approaches and state of the art findings pertinent to applied electrical engineering and information technology. JEEIT 2019 program includes keynote addresses, panel discussions, paper presentations, exhibitions, and tutorial workshops. All papers will be peer reviewed by at least three reviewers based on full paper submission. Accepted papers will be published in the conference proceedings, and the presented papers will also be submitted to the IEEE Xplore Digital Library and indexed in SCOPUS. Authors of selected papers will also be invited to prepare extended papers of their work for publication in specialized journals.

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## Paper submission is invited to the following thirteen JEEIT 2019 tracks:

- Power Systems and Drives:** Power systems protection ◦ Operation and planning ◦ Stability and control ◦ Transmission and distribution systems ◦ Quality and reliability ◦ High voltage systems ◦ Electrical machines and transformers ◦ Power electronics and drives ◦ Distributed generation
- Renewable Energy:** Photovoltaic and solar energy systems ◦ Wind energy ◦ Hydrogen energy and fuel cell technology applications ◦ Hybrid energy systems ◦ Grid stability at high RE penetration ◦ Smart grids ◦ Electrical vehicles, grid to vehicle and vehicle to grid ◦ Energy storage ◦ Waste to energy ◦ Financing renewable energy
- Communications:** Security in communication systems ◦ Green communications ◦ QoS, reliability, and modeling ◦ Next-generation communication systems ◦ Optical communications ◦ Signal processing in communications ◦ Wireless communications
- Nano-technology and Electronics:** Advanced and smart nanomaterials ◦ Nanomaterials for energy and environment ◦ Nanomaterials in drug delivery and diseases treatment ◦ Nano fabrication and Nano systems ◦ Microelectronic Systems ◦ Electronic Materials ◦ Design and Implementation of ASIC, SoC, and VLSI
- Computer Engineering:** Computer architecture ◦ Embedded systems ◦ Digital circuits applications ◦ Parallel and high performance processing ◦ Performance evaluation and modeling ◦ Storage systems ◦ GPUs, multicore processors, and hardware accelerators
- Computer Networks:** Wireless sensor and ad-hoc networks ◦ Wireless networks ◦ Internet of Things ◦ Software defined networks ◦ Content delivery networks ◦ Multimedia transmission systems ◦ Quality of service ◦ Network coding ◦ Network management ◦ Performance evaluation ◦ Media access control protocols
- Control, Robotics, and Mechatronics:** Control methods and systems ◦ Automation and Instrumentation ◦ Modelling and simulation ◦ Mechatronic system design ◦ System identification ◦ Robotics ◦ Manufacturing methods ◦ Unmanned vehicles ◦ Navigation, mapping and localization
- Biomedical Engineering:** Biomedical signal and image processing ◦ Biomedical instrumentation ◦ Biomedical systems modeling ◦ Medical informatics ◦ Biomechanics, artificial organs and prosthesis ◦ Biomaterials and tissue engineering ◦ Biomedical imaging
- Data Science:** Big data ◦ Deep data ◦ Cyber infrastructure and information security ◦ Bioinformatics ◦ Data analysis and data mining ◦ Data wrangling ◦ Data science management
- Intelligent Systems:** Machine vision ◦ Machine learning ◦ Deep and reinforcement learning ◦ Human computer interactions ◦ Natural language processing
- Information Technology Trends:** Software engineering and quality ◦ Information systems ◦ Algorithms ◦ High performance computing ◦ Distributed systems ◦ Quantum computing ◦ Cloud computing
- E-Technologies:** E-Business ◦ E-Learning ◦ E-Government ◦ Digital marketing ◦ Smart cities ◦ Mobile applications
- Mathematical Modeling and Analysis:** Operation research ◦ Risk management ◦ Statistic process and analysis ◦ Computer graphics and differential equations ◦ Applied problems and methods in research and education ◦ Mathematical modeling in computing and optimization ◦ Computational methods and combinatorics

## Important Dates

Paper Submission Deadline	Dec 22, 2018 → Jan 19, 2019 → Jan 31, 2019
Review Decision Notifications	Feb 16, 2019
Final Submission and Author Registration Deadline	Mar 9, 2019
Attendee Early Registration Deadline	Mar 23, 2019
Conference Dates	Apr 9–11, 2019



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