



2018 International Conference on Innovative Trends in Computer Engineering (ITCE'18)



Aswan, Egypt

Call for Papers

19th-21st February

2018 International Conference on Innovative Trends in Computer Engineering (ITCE'2018)

will be held in Aswan, Egypt during February 2018. ITCE 2018 provides a forum to exchange experiences and promote new ideas in the field of computer engineering. ITCE stimulates scientific and controversial discussions, and encourages research and development from Egypt and around the world. Best paper will be awarded at the closing session of the conference. Authors are invited to submit papers on the following tracks but not limited to:

Track 1: Innovative Trends in Computer HW and Embedded Systems

- Architecture for Robotics and Automation Systems
- Cyber-physical Systems/Distributed Computing Architectures
- Embedded Systems and HW/SW Co-Design architectures
- Generic and Application-specific Architectures
- High Performance Computing Systems
- Many-core Architecture, Memory, and Interconnect Systems
- Performance Scalability and Energy Consumption for Green Computing
- Power-aware and Energy Efficient Architectures
- Task scheduling and Resource Management

Track 4: Innovative Trends in Computer and Network Security

- Cloud Computing Security
- Cryptanalysis, Digital Forensics, and Threat Modeling
- Intrusion Detection and prevention
- Secure Localization and Location Privacy
- Security & Privacy for Mobile Sensing Systems and Smart Devices (e.g., Smartphones)
- Security Solutions in VLSI and Embedded Systems Security
- Wireless or Mobile Security and Privacy in Health, Automotive, Avionics, or Smart Grid Applications
- Wireless, Vehicular and Ad-hoc Network Security and Privacy

Track 2: Innovative Trends in Image Processing and Computer Vision

- Actions, Events, Objects and Scene Understanding
- Biometrics and Pattern Recognition Applications
- Deep Learning for Computer Vision and Image Processing
- Egocentric Video Analysis and Human-computer Interaction
- Image/Video Processing, Recovery and Compression
- Medical, Forensic and Document Image Analysis
- Privacy Preserving in Video Surveillance
- Reasoning-based Image Processing Intelligent Systems

Track 5: Innovative Trends in Computer Networks

- Cloud-based Networking Techniques
- Internet of Things (IoT)/Internet of Everything (IoE)
- Network Operations & Management
- Networking Techniques for 5G and mmWave
- Next Generation Internet, Network Based and Web Applications
- Recent Trends & Developments in Computer Networks
- Vehicular, Ad-hoc and Sensor Networks
- Wireless Networks/Mobile Networks/Radio Networking

Track 3: Innovative Trends in Computing Technology

- Artificial Intelligence
- Big Data and Data Mining
- Bio-Informatics
- Cloud Computing
- Data and Information Visualization
- Distributed Systems and Databases
- High Performance Computing and Performance Evaluation
- Software Engineering and Algorithms

Track 6: Innovative Trends in Smart Systems

- Advances in Social Networks and Media
- Automotive IT
- Digital Marketing
- e-healthcare and m-healthcare
- Green ICT
- Human Computer Interaction
- Intelligent Systems
- Smart Cities

Important Dates

Paper submission: August 15, 2017

Notification of acceptance: October 15, 2017

Camera-ready submission: December 15, 2017

Author's registration:

- Early-Bird, November 1st, 2017
- Regular, December 15, 2017

Selected Papers would be Published in Special Issues of:

- International Journal of Interactive Multimedia and Artificial Intelligence
- Neural, Parallel, and Scientific Computations
- Aswan Engineering Journal

Registration

Fees

	Egyptian Author		Foreign Author	
	Non IEEE	IEEE	Non IEEE	IEEE
Early-Bird/Students	900 LE	750 LE	250\$	200\$
Regular	1000 LE	850 LE	300 \$	250 \$



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