



**CALL FOR PAPERS**

# ICEEM2019

1<sup>ST</sup> INTERNATIONAL CONFERENCE ON  
ELECTRONIC ENGINEERING, MENOUFIA  
UNIVERSITY, EGYPT

Faculty of Electronic Engineering, Menouf.  
7-8 December 2019

Conf. Web Site: <http://www.iceem-mu.org>

Conf. E-Mail: [info@iceem-mu.org](mailto:info@iceem-mu.org)

## Important Dates

Submission Deadline of papers 30 May, 2019

Notification of Acceptance 30 July, 2019

Submission of Final Camera Ready 30 August, 2019



## Conference Honorary Chairs

- Prof. Adel E. Mubark , **President of Menoufia University**
- Prof. Ahmed F. Alkased , **Vice-President for Postgraduate Studies and Research Sector**
- Prof. Abdel Naser Abd-Elgawad , **Dean of Faculty of Electronic Engineering**
- Prof. Sanaa El-Rabaie , **Vice- Dean for Postgraduate Studies and Research Sector**

## Conference Chairs

<b>Conference Chair:</b>	Prof. Atef Abou El-azm
<b>Conference Vice-Chair:</b>	Prof. Ayman El-Sayed
<b>Organizing Committee Chair:</b>	Prof. Mohamed I. Mahmoud
<b>Organizing Committee Co-Chair:</b>	Prof. Elsayed El-Rabaie
<b>Conference Publications Chair:</b>	Dr. Hend A. Malhat
<b>Conference Secretary General:</b>	Dr. Mohamed E. Karar
<b>Technical Program Chair:</b>	Dr. Ramadan Gad

## Technical Committee

Prof. Saied El-Khamy	-Alexandria University, Egypt.
Prof. Kamal Awadalla	-Menoufia University, Egypt
Prof. Hadia El-Henaway	-Ain Shams University, Egypt.
Prof. Samir Shaheen	-Cairo University, Egypt.
Prof. El-Sayed Saad	-Helwan University, Egypt.
Prof. Nabil Abd Elwahed	-Menoufia University, Egypt
Prof. Abdel Razik Sebak	-Concordia University, Canada

## Organizing Committee

-Prof. Taha E. Taha	-Prof. Fathi Abdel-Samie
-Prof. Mona Shokair	-Dr. Noha Ramadan
-Mr. Hesham Abotabl	-Eng. Ahmed Samy

## Editorial Board of the Conference

-Dr. Saied M. Abd El-atty	-Dr. Hanaa A. Torkey
-Dr. Ahmed M. Benaya	-Dr. Ezz El-Din Hemdan
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Faculty of Electronic Engineering, Menoufia University will organize the 1<sup>st</sup> International Conference on Electronic Engineering – ICEEM2019 that will take place at Menouf, Egypt, on the 7-8 December, 2019. The ICEEM 2019 aims to promote research in Electronics Engineering. It is an opportunity to exchange experiences and present research results in the fields of theoretical, experimental, and applied electronics engineering. The conference will bring together leading researchers, engineers and scientists in the domain of interest from around the world. Authors are invited to submit their original work on topics related to, but not limited to, the following topics:

### 1. Telecommunications and Signal Processing.

- Nanomaterials and Nanotechnology
- Optical Communications
- Optoelectronics
- Communication Networks
- Biomedical Engineering
- Antennas and Wireless Propagation
- Electromagnetics
- Microwaves
- Speech Communication
- Digital Signal Processing
- Image Processing
- Information Science and Technology
- Mobile Communication
- Network and Service Management
- Power Electronics
- Electrical Power & Energy Systems
- Information Forensics and Security
- Neural Networks
- Multimedia Systems
- Internet Research

### 2. Computer Engineering and Applications.

- Computer Systems, Embedded Systems, System on Chip, and Architecture.
- Artificial Intelligent and Machine Learning.
- Human Computer Interaction, Neuroscience, and Robotics.
- Language Engineering and Processing.
- Massively Data Storage, Data mining, and Data warehousing.
- Software Engineering.
- Informatics and Knowledge Engineering.
- Computer Networks and Distributed Computing.
- Cloud computing and Big Data.
- High Performance Computing and Parallel Processing.
- Opto-electronic Computing.
- Information Security.
- Multimedia.
- Database design, Modeling, and Processing.
- Bioinformatics, Computational Biology, and Bio-computing.
- Information Retrieval, Data Quality, and Provenance.
- Agent Technology and Multi-Agent System.
- Internet of Things (IoT)
- Computer Vision and Image Processing.

### 3. Control Systems Engineering.

- System Modeling and Simulation
- Robust and Adaptive Control Systems
- Industrial Measurements and smart instruments
- Networked and Distributed Control Systems
- Intelligent Control
- Industrial and Power Electronics
- Stochastic process control and Optimal Control Systems
- Sensors and instrumentation
- Advanced mechatronics and robotics
- Nonlinear Control systems
- Advanced Electrical Drive machines
- Renewable energy
- Automatic control in automotive Systems
- Expert systems and control
- Biomedical Systems Engineering and Applications
- Digital Signal and Image Processing
- Discrete Event and Hybrid Systems
- Embedded control systems
- Cyber Physical Systems
- Data-Driven Fault Detection and Diagnosis

### 4. Applied Mathematics and Physics in Electronic Engineering Fields.

- Differential Equations and Nonlinear Dynamical Systems (Nonlinear mechanical vibrations & Nonlinear dynamics and chaos).
- Computational Mathematics (Operational research and optimization & inverse problems).
- Discrete Mathematics (Graph theory & Probability and statistics).
- Integral Equations and its Applications.
- Material science.
- Nanomaterial.
- Nanotechnology.

**Invited papers:** Invited papers are solicited from leading international and national experts in the listed topics.

### Paper Submission

#### Regular Papers:

Prospective authors are invited to submit their papers with maximum 6-page following the conference template. The submitted papers must be unpublished and not being currently under review for any other publication.

#### Industry Applications Papers:

The industrial societies are invited to present their applied researches in special sessions of the conference. The topics may be in all of industry applications.

**Project Posters:** Participation of senior engineering students is encouraged by assigning a poster session for them to exhibit their graduation projects. Students wishing to participate have to submit a summary of their projects in no more than one-page size A4, indicating their names, the name of the project supervisor and their universities.

### Registration

Fees will be paid after the final acceptance of the submitted papers. The registration fees cover a copy of the proceedings; attending sessions, and coffee breaks according to the following rates:

	Egyptians	Non-Egyptians
Regular Authors	1000 L.E.	300 USD
IEEE Member	800 L.E.	200 USD
Each Extra Page (Max. 2-pages)	100 L.E.	50 USD

Fees are paid in EGP and sent by bank transfer. Discount is 50% for the second accepted paper.

