



October 10-11, 2012, German University in Cairo, New Cairo City, Egypt

<http://www.icet-guc.org/2012/>

Scope

The International Conference on Engineering and Technology (ICET 2012) is held in conjunction with the German University in Cairo (GUC) 10th year anniversary in the beautiful city of Cairo, Egypt. It aims at providing a platform for researchers, engineers, academics and industrial professionals to present their recent research work and to explore future trends in various areas of engineering and technology. ICET 2012 will feature plenary speeches, industrial panel sessions, funding agency panel sessions, poster sessions, and invited/special sessions. Contributions are expected from academia, industry, and government agencies. ICET 2012 is technically sponsored by the IEEE. All articles will undergo a rigorous review process. Accepted papers will be published in the conference memory stick and on the IEEE Xplore. Extended version of selected papers will be recommended for publication in special issues in refereed journals. ICET 2012 will be organized into four tracks, with the list of technical areas in each track given below. Other research areas that fall within the four tracks are also welcomed. Proposals for workshops and special sessions on new topics or innovative applications are invited.

Track 1: Information Engineering and Technology

Track Chairs: Tallal Osama El-Shabrawy

- Green ICT Networks
- Cloud-Grid and Internet Computing
- Resource Management in Cloud Computing
- Energy Efficient Routing and Medium Access with Wireless Sensor Networks
- Indoor Localization and Tracking Algorithms
- Automatic Process Control using Wireless Sensor Networks
- Smart Home Automation Systems
- 3G/LTE Mobile Networks Applications
- Artificial Intelligence

Track 3: Mechanical Engineering and Technology

Track Chair: Elsayed Imam Morgan

- Robotics and Automation
- Mechatronics Systems
- Sensor Technologies
- Hydraulic and pneumatic systems
- Fluids & Thermal Systems
- Dynamic Systems and Control
- Dynamics and Mechanical Vibrations
- Mechanical Design and Manufacturing
- Microsystems Integration
- Cooperative Intelligent Systems
- Advances for Process Industries

Important Dates

- Paper submission deadline: July 15, 2012
- Author notification: September 10, 2012
- Camera-ready version: September 20, 2012

Track 2: Electrical Engineering and Technology

Track Chairs: Abdelmegid Allam

- Communication Systems and Applications
- Ultra-Wideband Communications
- Signal Processing and Applications
- Cognitive Radio Communications
- Communication Networks and Applications
- Network Operations and Management
- Fourth Generation Wireless
- Wireless Optical Communications
- Renewable/Sustainable Energy and Smart Grids
- VLSI Design
- System on Chip and Embedded Systems

Track 4: Materials Science and Engineering

Track Chairs: Nahed El-Mahallawy

- Materials characterization, modeling and performance
- Destructive and non-destructive testing, Microstructural characterization, Failure analysis
- Materials processing and product manufacturing
- Materials Applications/ energy/ biomedical / high temperature
- Materials-Environment interactions and protection
- New materials for structural and functional applications, innovative composites, functionally graded materials
- Materials recycling and other related topics

Plenary Speakers

- Prof. Dr. Klaus Schilling, University of Wuerzburg, Germany
- Prof. Dr. Miguel A. Salichs, Carlos III University of Madrid, Spain
- Prof. Dr. Albert Heuberger, Fraunhofer IIS, Germany
- Prof. Dr. Rainer Gadow, University of Stuttgart, Germany
- Prof. Dr. Johann Georg Blauel, Fraunhofer Institute, Germany

Organizing Committee:

Honorary Chair:

Prof. Dr. Ashraf Mansour
GUC Prime Founder and
Chairman of Board of Trustees

General co-Chairs:

Yasser G. Hegazy, Egypt
Paul J. Kuehn, Germany

Founder & Program Chair:

Alaa Khamis, Egypt

Special Session /Workshops co-Chairs:

Ahmed Abdel Aziz, Egypt
Yasser Fouad, Egypt
Henryk Bala, Poland

Industrial Sessions co-Chairs:

Ahmed Madian, Egypt
M. Seidenfuss, Germany
Ahmed Radwan, Egypt
Khaled Salama, Saudi Arabia

Publication co-Chairs:

Brando Okolo, Egypt
Frank Gunzer, Germany
Marc Ihle, Germany

Publicity co-Chairs:

Noha Shouman, Egypt
Mona El-Guindy, Egypt

Finance Chair:

Hisham El-Sherif, Egypt

Local Arrangement co-Chairs:

Sherine Salamony, Egypt
Nermine Hashish, Egypt

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