

# 1<sup>st</sup> Call for Papers

ACTEA'16

July 13-15, 2016

[www.ndu.edu.lb/actea16/](http://www.ndu.edu.lb/actea16/)



NOTRE DAME  
UNIVERSITY  
—LOUAIZE—  
جامعة  
الانوار



THE 3<sup>RD</sup> INTERNATIONAL CONFERENCE  
ON ADVANCES IN COMPUTATIONAL TOOLS FOR ENGINEERING APPLICATIONS

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Computational tools are evolving rapidly as computers are being applied to a wide variety of engineering fields and disciplines. The benefits of using computer simulations in production and research are indisputable, and involve more efficient utilization of resources and its resulting cost saving. ACTEA'16 aims at bringing together researchers and engineers, and providing a common platform for all experts dealing with computational tools to advance the state of knowledge by sharing research results and pioneering views about recent trends and developments. ACTEA'16 is the third edition in a series that started in 2009 and is being sponsored by local sections/branches of major societies operating in the country.

**Engineering applications of interest include, but are not limited to**

### Control & Automation

Control Systems, Mechatronics, Robotics, Computer Aided Manufacturing, Process Control, Engineering Optimization.

### Electrical & Computer Technologies

Electromagnetics, Microelectronics, Power Electronics, Power System Analysis, FPGA, Semiconductor and Optoelectronic Devices, Communication and Signal processing, Cloud Computing.

### Energy & Environment

Energy Technologies, Thermal and Fluid Sciences, Pollution, Traffic and Transportation Engineering, Urban Environment, Oil & Gas, Hydraulics and Hydrology.

### Engineering Systems

Geotechnical/Geophysical, Structural, Sustainability, Materials, Mechanics, Bioengineering, Mathematical Modeling, Project Management.

### Engineering Education

Software, Teaching/Learning Tools.

### Important Deadlines

Submission of manuscripts (4-6 pages):	<b>January 15, 2016</b>
Notification of acceptance:	<b>April 15, 2016</b>
Deadline for submission of final paper:	<b>June 03, 2016</b>

### Information

- The language of the conference is English.
- Accepted papers will be published in the conference proceedings, which will be submitted for inclusion in the IEEE Xplore Digital Library.
- All papers must be submitted electronically through the conference website: <http://www.ndu.edu.lb/actea16/>. The works must be original and not published.
- At least one of the authors of an accepted paper must register in the conference and present the work.

### Location

The conference will be held at Notre Dame University in Zouk Mosbeh (10 km north of Beirut), a lovely place squeezed between the Mediterranean Sea and the cavernous Jeita Grotto which is one of the most impressive subterranean displays of stalactites and stalagmites of the planet. ACTEA'16 offers the opportunity to explore Lebanon with its legendary hospitality, natural and touristic sites, and its delicious food; it is indeed a unique place to visit. The area offers some of the best of Lebanon in hotels, restaurants, shopping centers, theaters, cinemas, art galleries, and sand beaches.

### REDEC 2016

ACTEA'16 will be held in conjunction with the "3<sup>rd</sup> International Conference on Renewable Energy for Developing Countries, REDEC'16".



Jeita Grotto

