

Call for Papers:

Special Issue on: Power System and Apparatus Transients Measurement, Modeling and Simulation

International Journal of Engineering, Science and Technology (IJEST)

Call for Papers

Special Issue on: **“Power System and Apparatus Transients Measurement, Modeling and Simulation”**

To operate an electric power system reliably, and to plan its expansion properly, engineers perform a variety of network studies. Among these, studies concerned with transients are the most important and complicated one for system and component designers and utility engineers, because during a transient period, the components in the system are subjected to high current and high voltage waveforms that can cause considerable damages.

A transient occurs when the network changes from one steady state into another. The correct “translation” of the physical power system and its components transients into suitable models for the simulation and analysis requires insight into the basic physical phenomena and needs careful studies and considerations.

The objective of the issue is to invite contributions from researchers, academicians and practitioners from industries and research establishments in the area of *Power System and Apparatus Transients Measurement, Modeling and Simulation*. The topics to be covered include, but not limited to:

- Transmission and distribution lines and cables
- Circuit breakers , surge arresters and protection
- HVDC, FACTS and power system controllers
- Electric machines and drives
- Switching, lightning and Very-fast transients
- Real-time digital/analog simulators
- Simulation tools and numerical methods of transient analysis
- Measurement tools and methods

Submission Guidelines and Important Dates

Manuscripts should be in English and normally not exceed 7000 words in length (single column, 10 pt running text, double spacing, Times New Romans). All contributions will be subjected to a blind review process. Manuscripts must be sent electronically to the following email addresses:

grptian@aut.ac.ir, vahidi@aut.ac.ir or sa_oke@yahoo.com

with the subject title as: Special Issue on **“Power System and Apparatus Transients Measurement, Modeling and Simulation”** in Word document (Microsoft Word 97/2000/2003 version) not later than February 30, 2011. The official website of the journal is found at www.ijest-ng.com.

Important dates are as follows:

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| Deadline for full paper submission: | February 30, 2011 |
| First turn of paper review: | April 30, 2011 |
| Second turn of paper review: | July 30, 2011 |
| Final (Camera-ready) paper submission: | August 30, 2011 |

Addresses of Guest Editors:

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