

THE 5TH INTERNATIONAL CONFERENCE ON ENTERPRISE SYSTEMS ES2017

22-24 SEPTEMBER 2017, BEIJING, CHINA

Special Session on
“Big Data in Smart Grid”

Call for Papers

Smart grid has been increasingly developing since its proposal in the early of the 21th century. Modern technologies such as metering and monitoring devices are integrated into smart grid to continuously generate a large variety of data at an unprecedented granularity and volume. For example, operation data from devices in the power infrastructure, energy consumption data measured by smart meters and the data from sensors distributed over transmission and distribution networks. Additionally, various data such as weather, geographic information, social economy and environment information is generated from other auxiliary sources simultaneously.

The big data in smart grid and its auxiliary systems could be used to support the decision making of the utilities and optimized the grid operation. However, as the unprecedented granularity and volume of the big data, huge challenges exist in the big data analytics for smart grid. Thus, the purpose of this session aims to gather original research papers and visionary reviews on the technologies, algorithms and case studies associated with big data analytics for smart grid applications and grid modernization.

Topics of interest include, but are not limited to:

- Smart grid data compression, detection, fusion, storage and information management
- Big data platforms for smart grid
- Energy consumption behavior analysis in smart meter data
- Energy consumption forecasting
- Fraud detection and prediction in smart grid
- Big data visualization in smart grid

Submission

When you submit your paper, please select this section in the submission system.

Organizers:

Principal Organizer: Dr. Rongheng Lin (email: rhlin@bupt.edu.cn) Affiliation: Beijing Univeristy of Posts and Telecommunications

Organizers: Dr. Hua Zou (email: zouhua@bupt.edu.cn) Affiliation: Beijing Univeristy of Posts and Telecommunications

Important Dates:

Submission deadline: May 31, 2017 (passed)

Notification of acceptance: July 7, 2017

Final manuscript due: July 31, 2017

Registration due: Aug 22, 2017

Note: the special sessions apply the same deadlines and submission instructions, please check the updated deadline at <http://www.ie.tsinghua.edu.cn/es2017> .