

INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL
Technical Committee TC 6.3 on Power and Energy Systems
Chairman: Prof. Kwang Y. Lee

Workshop, 11-13 October 2016, Prague

<http://www.ifac.ctdsg2016.cz/>

Call for Invited Sessions

**IFAC Workshop on Control of Transmission and Distribution Smart Grids
(CTDSG 2016)**

Organizers TC 6.3: **Kwang Y. Lee**, Baylor University, USA
Harald Weber, University of Rostock, Germany
Petr Neuman, NEUREG Ltd., Prague, Czech Republic

Recent increases in renewable energy sources, production costs, and environmental concerns have triggered the efforts to develop Smart Grids for power systems. Planning, Operation and Control of Transmission and Distribution Power Systems are engaged in the IFAC within TC 6.3: Technical Committee on Power and Energy Systems. The associations, CIGRE and CIRED, are also directly aimed to the same issues. There are other associations focused also in this direction, i.e., ENTSO-E (European Network of Transmission System Operators for Electricity) and EDSO (European Distribution System Operators). The goal of this workshop is to establish cooperation between IFAC and relevant international associations, CIGRE, CIRED, ENTSO-E and EDSO.

In this connection, the IFAC TC 6.3 is interested in organizing a number of Invited Sessions on **Control of Transmission and Distribution Smart Grids**, which are centered on all control aspects that are relevant to the Transmission and Distribution Smart Grid and aim at bringing together researchers from Academia, Industry, and National Labs to exchange novel ideas, explore enabling technologies, discuss innovative designs, and share field trial experiences and lessons learnt.

Prospective authors are invited to submit original contributions (standard two-column IFAC format and up to 6 pages) on all aspects of Transmission and Distribution Smart Grids Control, including but not limited to:

- 1. Power Systems (Transmission & Distribution Systems Planning, Operation and Control)
- 2. Smart Grids (Smart Cities, Smart Buildings, Smart Home, Smart Thermal Grids)
- 3. Power Electronics (Inverters, FACTS, UPFC, DPFC, HVDC, Phase Shift Transformers – PST)
- 4. Energy Market and Trading (Regulators and Contracted Ancillary Services, Demand Response)
- 5. Wide Area Monitoring, Protection and Control (WAMPaC, Phasor Measurement Units– PMU)
- 6. Simulators (Dispatch Training – DTS, Real Time Digital – RTDS, Engineering, Market and Trading)

If you are interested in participating (presenting a paper or organizing an invited session) in the Invited Sessions within the IFAC Workshop CTDSG 2016 in Prague, please send a tentative of Title and Abstract of your presentation/participation to the organizer, Kwang_Y_Lee@baylor.edu; harald.weber@uni-rostock.de

Important Dates:

Invited Session Proposal	31 January 2016	9 May 2016
Notification to session proposer	1 February 2016	9 May 2016
Submission of full draft papers	15 February 2016	16 May 2016

General contact

Workshop Scientific Program
Petr Neuman (member of IFAC TC 6.3.)
NEUREG Ltd.
E-mail: neumanp@volny.cz

Workshop Secretary

Terézia Němcová
CTU in Prague
Faculty of Mechanical Engineering
E-mail: secretary@ifac.ctdsg2016.cz