

IEEE Technical Committee on Power Generation

TC Chair: Eugenio Schuster schuster@lehigh.edu

The IEEE-CSS Technical Committee (TC) on Power Generation addresses all aspects of modeling, simulation, control and optimization of energy generation and energy utilization systems, and is organized around four thrusts: Nuclear Energy Generation, Fossil Energy Generation, Renewable Energy Generation and Efficient Energy Utilization. We summarize below our activity during the first semester of 2013.

LEADERSHIP GROUP

The Leadership Group is now composed by:

Nuclear Energy Generation: Didier Mazon, Alfredo Pironti, Eugenio Schuster, Michael Walker

Fossil Energy Generation: Joseph Bentsman, Xinsheng Lou, Jihong Wang, Kwang Y. Lee

Renewable Energy Generation: Rush Robinett III, Cecilia Mazzaro, Lorenzo Fagiano

Efficient Energy Utilization: Alessandro Beghi, Luca Cecchinato, Prabir Barooah

WEB-PAGE MAINTENANCE

The TC web-page at:

<http://www.lehigh.edu/~intcpgc/ieeetcpge.html>

is being moved to:

<http://power-generation.ieeecss.org>

The transition is expected to be completed before the upcoming American Control Conference.

CONFERENCES

Members of the IEEE-CSS TC on Power Generation have contributed to the organization of several invited sessions in the area of Wind Power Systems at the upcoming American Control Conference to be held in Washington, DC, USA on June 17-19, 2013. In addition, several regular papers by members of the TC will be presented during the conference. Four invited sessions in the areas of Sustainable Energy, Nuclear Fusion Energy, and Energy Utilization in Buildings were proposed by the IEEE-CSS TC on Power Generation for the IEEE Conference on Decision and Control, Florence, Italy, December 10-13, 2013.

OUTREACH ACTIVITY

We actively work on letting the Controls/Energy community know about the IEEE-CSS TC on Power Generation as well as on integrating researchers around the world in its organized activities. The TC has now more than 100 registered members. A summary on some aspects of Control of Nuclear Fusion Reactors was prepared by members of the IEEE-CSS TC on Power Generation and contributed to the 2013 IEEE-CSS Impact of Control Technology Report.

MEETINGS

The TC will hold its semi-annual meeting during the upcoming American Control Conference, June 17-19, 2013, Washington, DC, USA.