

IEEE Technical Committee on Power Generation

TC Chair: Eugenio Schuster schuster@lehigh.edu

The IEEE-CSS Technical Committee 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 2012.

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

A dedicated web-page is maintained to cover the activities by the Technical Committee:

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

The web page summarizes the mission, scope, organization and activities of the Technical Committee. The web page also lets people interested in the Technical Committee register as members. A list of members is permanently updated. Users also have the possibility to submit announcements that are posted on the web and disseminated by e-mail among the members of the technical committee in the form of an electronic newsletter.

CONFERENCES

- One invited session on “Control of Fusion Plasmas in Tokamaks” and one invited session on “Control of Energy Systems” will be held during the upcoming American Control Conference, June 27-29, 2012, Montreal, Canada. The sessions were proposed and organized by Dr. Michael Walker and Prof. Eugenio Schuster from the IEEE-CSS TC on Power Generation. In addition, several regular papers by members of the TC will be presented during the conference.

OUTREACH ACTIVITY

We actively work on letting the Controls/Energy community know about the IEEE-CSS Technical Committee on Power Generation as well as on integrating researchers around the world in its organized activities. The Technical Committee has now more than 100 registered members.

MEETINGS

The Technical Committee will hold its semi-annual meeting during the upcoming American Control Conference, June 27-29, 2012, Montreal, Canada.