

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 second semester of 2012.

LEADERSHIP GROUP

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 TRANSITION

The TC web-page at:

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

is being moved to:

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

The transition is expected to be completed by the end of the calendar year 2012.

CONFERENCES

One invited session on “Control of Tokamak Plasmas,” organized by Prof. Alfredo Pironti and Prof. Eugenio Schuster, and two invited sessions on “Modeling and Control of Building Systems,” organized by Prof. Andrew G. Alleyne, Prof. Prashant G. Mehta, Prof. Prabir Barooah and Dr. Bryan Eisenhower, will be held during the upcoming IEEE Conference on Decision and Control, Maui, Hawaii, USA, December 10-13. In addition, several regular papers by members of the TC in the areas of Nuclear Energy Generation, Fossil Energy Generation, Renewable Energy Generation and Efficient Energy Utilization 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 IEEE Conference on Decision and Control, Maui, Hawaii, USA, December 10-13, 2012.