

IEEE Technical Committee on Power Generation

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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 last six months.

LEADERSHIP GROUP

The Leadership Group is now composed by:

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

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

Renewable Energy Generation: Cecilia Mazzaro, Lorenzo Fagiano

Efficient Energy Utilization: Alessandro Beghi, Prabir Barooah

WEB-PAGE MAINTENANCE

The TC web-page has been moved to:

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

Work is still needed to complete the transition.

CONFERENCES

One invited session on “Control of Fusion Plasmas in Tokamaks,” organized by Prof. Eugenio Schuster and Prof. Alfredo Pironti, and one invited session on “Building Systems,” organized by Prof. Andrew G. Alleyne and Dr. Sunil Ahuja, were held at the IEEE Conference on Decision and Control, Florence, Italy, December 10-13, 2013. 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 were presented during the conference. Several members of the TC were involved in either the organization of or the contribution to several invited sessions on both Energy Systems and Building Systems at the upcoming American Control Conference to be held in Oregon, Portland, on June 4-6, 2014.

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 more than 100 registered members.

MEETINGS

The TC held its annual meeting during the IEEE Conference on Decision and Control, Florence, Italy, December 10-13, 2013. The next meeting will be held at the upcoming IEEE Conference on Decision and Control to be held in Los Angeles, California, on December 15-17, 2014.