

IEEE Circuits and Systems Society
2005-2006 Annual Report of the Power System and Power Electronics Technical Committee

During the period 2005-2006, the members of the PSPETC have been active in the field of power systems and power electronics including organizing special sessions, reviewing technical manuscripts and participating in numerous major conferences and workshops. The technical committee last met at ISCAS'05 in Kobe, Japan with over 25 members in attendance. Some directly relevant activities to the CAS include:

IEEE Transactions on Circuits and Systems, Part I ~ July 1, 2005 to May 8, 2006

With the following associate editor inputs:

1. Associate Editor, Dr. Marija Ilic (from April 2005), 6 submitted, 6 under review.
 2. Associate Editor, Dr. Ian Hiskens, 18 submitted, 16 decisions (2006), 1 under revision, 1 under review.
Note: 28 decisions (2005) dates no longer distinguishable
 3. Associate Editor, Dr. Adrian Ioinovici, 18 papers submitted, 5 accepted, 5 rejected, 6 under revision, 2 under review.
 4. Associate Editor, Dr. Marian Kazimierczuk, 32 papers submitted, 7 accepted, 20 rejected, and 5 under review.
 5. Total: ~74 papers submitted*, ~12 accepted, ~25 rejected, and ~19 under revision/review.
- * electronic system issues prohibited delineation of decisions at time of reporting.

IEEE Transactions on Circuits and Systems, Part II, ~ July 1, 2005 to May 8, 2006

With the following associate editor inputs:

1. Associate Editor, Dr. Bernard Lesieutre, 10 papers submitted, 0 accepted, 4 rejected and 6 under review.
2. Associate Editor, Dr. Chika Nwankpa, 11 papers submitted, 0 accepted, 2 rejected/returned, 1 under revision and 8 under review.
3. Total: 21 papers submitted, 0 accepted, 6 rejected/returned, and 15 under review/revision.

IEEE International Symposium on Circuits and Systems, 2006, Kos, Greece

1. The number of submitted papers (excluding Special Session Papers): 81.
2. The number of accepted papers (excluding Special Session Papers): 50 papers, 5 oral sessions, 5 poster sessions, the acceptance rate 61.7%.
3. Special session: "Modern Power Systems: Operating on the Limits of Stability" organized by C. Vournas, 5 papers (National Technical University of Athens)
4. Special session: "Towards monolithic integration of switching power regulators" organized by: E. Alarcón (Technical University of Catalunya), D. Czarkowski (Polytechnic University, Brooklyn), A. Patra (Indian Institute of Technology, Kharagpur)

New Bylaws were presented, discussed and approved at ISCAS'05 in Kobe, Japan.

Our technical committee serves the scientists and engineers working in the analysis and design of power electronic circuits and power systems, and brings to the attention of the CAS Society technical issues arising in those areas. The committee serves as a bridge between the CAS Society and the CSS, PES and PELS Societies with several of its members serving as officers in CSS, PES and PELS technical committees and subcommittees.

Website: <http://psdyn.ece.wisc.edu/cas-pspec/>

TC-PSPEC OFFICERS (term ending at ISCAS 2006)

Karen Miu, Chair (Track Co-Chair for PSPETC at ISCAS 2006)
(miu@ece.drexel.edu)

Marian Kazimierczuk, Past-Chair (Track Co-Chair for PSPETC at ISCAS 2006)
(marian.kazimierczuk@cs.wright.edu)

Eduard Alarcon, Chair-elect
(ealarcon@eel.upc.edu)

Tadashi Suetsugu, Secretary
(suetsugu@fukuoka-u.ac.jp)