

IEEE Circuits and Systems Society
**Technical Committee on Power Systems and Power
Electronic Circuits**

Chairman's Report, April 2003

The Technical Committee on Power Systems and Power Electronic Circuits (PSPEC) last met at ISCAS'03 in Phoenix, Arizona. Fifteen members were in attendance. The committee will next meet at ISCAS'03 in Bangkok, Thailand.

IEEE Transactions on Circuits and Systems I. Twelve full papers and four transactions briefs, relating to PSPEC, appeared through 2002. Submission statistics are only available for two of the three Associate Editors responsible for this field. They have received 26 manuscripts (2 papers have been accepted, 4 rejected, 2 are undergoing final revisions, and 18 are under review). In addition, former Associate Editors are still handling 10 papers that are in final stages of revision/review.

ISCAS'03. The symposium attracted 64 papers related to PSPEC, of which 48 accepted papers will appear in 8 sessions. A special session, "New Trends in Switching Power Converters - Towards Integration", with 8 papers, has been organized by Eduard Alarcon.

Distinguished Lecturers. Two distinguished lecturers are associated with PSPEC. They are Alex Stankovic, whose lectures are entitled, "Dynamic Phasors in Modeling, Estimation and Control of Energy Processing Systems" and "Hilbert Space Techniques for Modeling and Compensation of Reactive Power in Transients of Energy Processing Systems", and Takayasu Sakurai, whose lecture is entitled, "Perspectives of Low Power Electronics."

Discussions with former office bearers and members of the TC failed to locate a copy of the TC bylaws. Therefore new bylaws will be presented for discussion and approval at the next TC meeting in Bangkok.

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. It is interesting to note that PSPEC members presently chair the CSS Technical Committee on Power System Control and the PES Technical Subcommittee on Power System Stability.

Ian Hiskens, Chair