

24th Annual IEEE Applied Power Electronics Conference and Exposition Announcement and Call for Papers

PLEASE NOTE THE FOLLOWING DATES:

July 18, 2008 Digest Submission
October 3, 2008 Acceptance Notification
November 28, 2008 Final Manuscript
Submission

APEC 2009 continues the long-standing tradition of addressing issues of immediate and long-term interest to the practicing power electronics engineer. Outstanding technical content is provided at one of the lowest registration costs of any IEEE conference. APEC 2009 will provide:

- a) the best power electronics exposition
- b) professional development courses taught by world-class experts
- c) presentations of peer-reviewed technical papers covering a wide range of topics
- d) time to network and enjoy the company of fellow power electronics professionals in a beautiful setting. Activities for guests, spouses, and families are abundant in the Washington area.

Papers of value to the practicing engineer are solicited in the following topic areas:

1. AC-DC and DC-DC Converters

Single- and Multi-Phase AC-DC Power Supplies, DC-DC Converters (Hard- and Soft-Switched)

2. Power Electronics for Utility Interface

Power Factor Correction, Power Quality, Electronics and Controls for Distributed Energy Systems

3. Motor Drives and Inverters

AC and DC Motor Drives, Single- and Multi-Phase Inverters, PWM Techniques, sensor integration, Fault tolerant operation

4. Devices and Components

Semiconductor Devices, Magnetic Components, Capacitors, Batteries, Sensors, Interconnects, Device Integration

5. System Integration

Packaging, Thermal Management, EMI and EMC

6. Modeling, Simulation, and Control

Device, Component, Parasitics, Circuit and System, CAD/CAE Tools, Sensor and Sensorless Control, Digital Control

7. Manufacturing and Business Issues

Production Processes, Quality, Design for Manufacturability, Material Procurement, Supplier Qualification

8. Power Electronics Applications

Automotive and Transportation, Aerospace, renewable energy harvesting, Lighting, UPS, Power Generation and Transmission, Telecommunications, Military

DIGEST PREPARATION

Prospective authors are asked to submit a digest explaining the problem that will be addressed by the paper, the major results, and how this is different from the closest existing literature. Papers presented at APEC must be original material and not have been previously presented or published. The principal criteria in selecting digests will be the usefulness of the work to the practicing power electronics professional. Reviewers also value evidence of completed experimental work. The digest must be double spaced in 10-point or larger font and a maximum of five pages including any abstract (optional), figures, and tables. Referencing within the digest should be done by number (i.e. [1]), but the list of references is to be submitted online separately from the digest. The digest should not include any author names or affiliations. For further details please visit www.apec-conf.org.

Authors should obtain any necessary company and governmental clearance prior to submission of digests. Digests will be sent to multiple reviewers; therefore "Confidential" and "Proprietary" information should be omitted. If a digest is accepted, a final manuscript and author-registration payment must be received by the deadline above or the paper cannot be published in the Proceedings or presented at the conference. Manuscripts exceeding seven pages are subject to extra page charges (approximately \$100 for each page over seven).

APEC relies upon a peer review process to ensure the quality of the technical content. To help maintain the high quality of the program, please contribute a few hours to review digests in your area of expertise by registering at www.apec-conf.org (under "Participating in APEC").

Calls for Special Presentations, Professional Education Seminars, and Exhibitor Seminars will be posted at www.apec-conf.org.

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