

MEETING HIGHLIGHTS

In addition to a full technical program of presented papers, APEC 2008 will offer Professional Education Seminars on important topics for practicing design engineers or anyone whose area of responsibility includes quality, manufacturing, or marketing. The Seminars and Technical Sessions will be supplemented by informal Rap Sessions that address important topics of the day, and the annual Micro-Mouse contest.

APEC EXPOSITION

A comprehensive exposition on the latest advances in power electronics equipment and services will be featured during APEC 2008. Exhibitors will include commercial firms and organizations involved in the manufacture, sale, or distribution of power electronics equipment and professional or technical services. If interested in exhibiting, email APEC at: apec@courtesyassoc.com.

CONFERENCE LOCATION

APEC 2008 will return to Austin, Texas, but this time the meeting will be in the Austin Convention Center. Besides Austin's distinction as the "live music capital of the world"—it is also a major hub of over 1,000 tech companies (including Dell). In addition, it is located on the edge of the beautiful Texas hill country. The location of the center and the surrounding hotels in the heart of the city means that your evenings will be filled with good restaurants, good music and fun—all within walking distance of the conference.

ARCHIVAL PUBLICATIONS

Conference papers will be eligible for later publication in either the IEEE Transactions on Power Electronics or the IEEE Transactions on Industry Applications, subject to peer reviews conducted by the editorial boards of these journals.

APEC

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February 24 – February 28, 2008
Austin Convention Center
Austin, Texas

2025 M Street, NW
Suite 800
Washington, DC 20036

APEC[®]

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2008

23rd Annual Applied Power Electronics
Conference and Exposition

Sunday, February 24 – Thursday, February 28, 2008
Austin Convention Center, Austin, Texas

Announcement
and Call for Papers

APEC 2008 Sponsors



23rd Annual IEEE Applied Power Electronics Conference and Exposition Announcement and Call for Papers

IMPORTANT DEADLINES:

Digest Submission.....	July 20, 2007
Acceptance Notification.....	October 5, 2007
Final Manuscript Submission.....	November 30, 2007

APEC 2008 continues the long tradition of focusing on practical issues of interest to the power electronics profession. This conference provides outstanding technical content at one of the lowest registration costs in the IEEE. Over five days APEC also provides:

- the best power electronics exposition of the year
- professional development courses taught by world-class experts
- an international presentation of peer reviewed technical papers covering a wide range of topics
- time to network and enjoy the company of fellow power electronics professionals

Papers of practical value are solicited in the following topic areas. Please see the APEC 2008 website (www.apec-conf.org) for a more detailed description by subtopic:

- AC-DC Converters:**
Single phase and multiphase ac-dc power supplies, power factor correction, multilevel active front end conversion
- DC-DC Converters:**
Low voltage to low voltage conversion, high voltage, high power (kW to MW), microprocessor power (VRMs)
- DC-AC Inverters:**
Dc to single phase, dc to multiphase, multilevel inverters

- Motor Drives:**
Drives for induction machines, permanent magnet machines, switched reluctance machines
- Semiconductors:**
Discrete and integrated devices
- Energy Storage Components:**
Magnetics, capacitors, batteries and chargers
- Mechanical Components:**
Connectors, bus bars, substrates, thermal management
- Sensors:**
Electrical sensors, nonelectrical sensors, sensor signal conditioning
- Applications and Systems:**
Power systems for electronic equipment, mobile and autonomous equipment, automotive and transportation, aerospace, military, lighting systems, ballasts, alternative energy, UPS, electrical power generation, transmission and distribution
- Modeling, Simulation and Control:**
Power supplies, electric machines and drives, power systems
- Physical Design and Packaging:**
Thermal management, integration of design tools, physical design, packaging, EMI and EMC
- Business Issues:**
Marketing, manufacturing, quality, test, power electronics business issues, DFx, standards and regulations
- Other Topics**

PREPARATION OF ABSTRACTS AND DIGESTS

Prospective authors of technical papers are asked to submit a three to five page digest. 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.

Papers presented at APEC must be original material and not have been previously presented or published. Manuscripts not received by the deadline cannot be published in the Proceedings and will not be presented at the conference. Finished manuscripts exceeding seven pages will be subject to publication page charges.

APEC relies on a peer review process to ensure the quality of the technical content. All Digests receive multiple reviews, and we rely on a group of highly qualified experts to serve in this capacity. If you are interested in becoming an APEC reviewer please register at www.apec-conf.org (under "More about APEC"). The principal criteria in reviewing Digests for acceptance will be the usefulness of the content to the practicing power electronics professional and the completeness of all experimental work.

Professional Education Seminars at APEC are typically three hours in length and can cover a wide range of topics. Both introductory and advanced topics are welcome, and all presenters will receive an honorarium. If you are interested in presenting a Professional Education Seminar at APEC 2008 please see the Call for Seminar Proposals at www.apec-conf.org.