

APEC 2003

Eighteenth Annual IEEE Applied Power Electronics Conference and Exposition

Announcement and Call for Papers

February 9-13, 2003

The Fontainebleau Hotel

Miami Beach, FL

APEC 2003 will continue the tradition of focusing on the practical aspects of the power electronics profession. Presented papers, Professional Education Seminars and a comprehensive exposition will address the specification, design, manufacture and marketing of power electronic components, products and systems. Presentations that address new and emerging topics are welcome. Papers of practical importance are solicited in the following areas of power electronics:

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| 1. AC-DC Power Supplies And DC-DC Converters | 5.3 Inverters, Single Phase | 8.3 Semiconductor Devices |
| 1.1 AC-DC Power Supplies, Single Phase | 5.4 Inverters, Three Phase | 8.4 Magnetic Devices |
| 1.2 AC-DC Power Supplies, Three Phase | 5.5 PWM Techniques | 9. Manufacturing |
| 1.3 DC-DC Converters, Hard-switched | 6. Components | 9.1 Production Processes |
| 1.4 DC-DC Converters, Soft-switched | 6.1 Semiconductors | 9.2 Quality and Quality Systems |
| 1.5 Voltage Regulator Modules (VRMs) | 6.2 Magnetic Devices And Materials | 9.3 Test Processes Including Burn-In, ESS And HASS |
| 2. Power Factor Correction and Utility Interface | 6.3 Capacitors | 9.4 Material Procurement/Management |
| 2.1 Power Factor Correction, Single Phase | 6.4 Resistors | 9.5 Supplier Qualification/Management |
| 2.2 Power Factor Correction, Three Phase | 6.5 Batteries and Chargers | 10. General Design Topics |
| 2.3 Utility Interface and Power Quality | 6.6 Connectors | 11. Power Electronic Applications |
| 3. Lamp Ballasts And Lighting Systems | 7. Packaging | 12. Thermal Management |
| 4. Uninterruptible Power Supplies (UPS) | 7.1 Components | 13. Computer Aided Design Tools |
| 5. Motor Drives And Inverters | 7.2 Assemblies And Circuits | 14. Regulatory Agencies, Standards And Issues |
| 5.1 AC Motor Drives | 7.3 Systems | 15. Marketing, Sales And General Business |
| 5.2 DC Motor Drives | 8. Modeling, Simulation, and Control | |
| | 8.1 Converters | |
| | 8.2 Systems | |

Deadline for Submission of Abstract and Digest is July 8, 2002.

Notification that a paper was accepted or declined will be mailed no later than September 6, 2002.

Manuscripts will be due at the publishers no later than November 8, 2002.

Preparation of Abstracts and Digests: Prospective authors of technical papers are asked to submit a 50-word Abstract and a three to five-page Digest (including figures, tables and references) of their planned presentation. Both Abstract and Digest should be double-spaced on 8 1/2" x 11" or A4 size paper. All authors should obtain company and governmental clearance prior to submission of Abstracts and Digests. Abstracts and Digests marked or labeled as "Confidential", "Proprietary" or with similar wording will not be accepted. **Please note that papers presented at APEC must be original material and not have been presented at previous conferences or published before.**

The Abstract heading must include the title of the presentation, related topic category and subcategory from above, two or three keywords, names and affiliations of all author(s) and the Corresponding Author's mailing address, telephone and fax numbers, and e-mail address. If there are multiple authors, the Corresponding Author must be clearly identified. The heading of the Digest should include only the title with no mention of the authors or their affiliations. The Digest should clearly state the purpose and contribution of the work, specific results and the methods used.

Digests for APEC 2003 must be submitted in electronic format no later than July 8, 2002. For details on acceptable file types, where to send and formatting issues, please visit www.apec-conf.org. Authors unable to submit electronically should contact Courtesy Associates at the number provided below.

A peer review process will be used to evaluate all papers submitted for consideration. The principal criterion in reviewing papers for acceptance will be the usefulness of the presentation to the practicing power electronics professional. The reviewers value evidence of completed experimental work.

Manuscripts not received by the deadline above may not 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.

Professional Education Seminars at APEC are typically three hours in length and can range from broad to narrow in scope, introductory to advanced in level. If you are interested in presenting a Professional Education Seminar at APEC 2003, please contact the APEC 2003 offices to request the Prospective Seminar Speaker's Guidelines.

APEC 2003 will be sponsored by the IEEE Power Electronics Society, the IEEE Industry Applications Society and the Power Sources Manufacturers Association.

Submit Abstracts and Digests and requests for further information to the APEC 2003 offices at:

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