CALL FOR PAPERS
IEEE-SDEMPED'2013
Valencia (Spain), August 27-30, 2013

9th IEEE International Symposium on Diagnostics for Electrical Machines, Power Electronics & Drives

Sponsor: IEEE Power Electronics Society
Technical co-sponsors: IEEE Industry Applications Society, IEEE Industrial Electronics Society

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The purpose of this symposium is to provide a forum for presentation and discussion of the state-of-the-art of diagnostics and monitoring for electrical machines, power electronics, adjustable speed drives and related areas. Topics within the scope of the symposium are:

1. **ELECTRICAL MACHINES: Failure detection and location in electrical machines using vibration, audible noise, electrical or mechanical variables, sensors, insulation failures, electrical, mechanical and thermal models**
2. **POWER ELECTRONICS: Diagnostics in power converters using input-output monitoring, thermal and/or electrical measurements on power semiconductors, control supervision, signal processing**
3. **ADJUSTABLE SPEED DRIVES: Monitoring and diagnostics for ASDs using electrical machines, power converters and control systems supervision, computer-based signal processing and data analysis**
4. **TOOLS FOR DIAGNOSTICS: Neural networks, fuzzy logic, artificial intelligence, genetic algorithms, expert systems, identification, signal processing techniques, observers**
5. **MATERIALS FOR ELECTRICAL MACHINES: Insulating and magnetic materials, remaining life models, ageing tests**
6. **TESTS FOR PREDICTIVE MAINTENANCE: Partial discharge analysis and tests, new instruments for diagnostics**

Regular Papers: *Submit provisional versions of full papers in English as follows. Limitation to* **6 full pages**, *including paper title, authors and affiliations, figures and references (maximum size 2MB). Authors are requested to prepare the manuscripts in the IEEE two-column format, using the template available in the SDEMPED Website and to translate it in PDF using the IEEE PDF eXpress™ facility.*

Tutorials: *Tutorials will be offered to SDEMPED attendees on August 27, 2013 in the afternoon (proposals to the organizing committee are welcome).*

All submissions should be in electronic form. Instructions will be posted in due course on the web at: sdemped13.upv.es. The best presented papers (up to 3) will receive the SDEMPED Best Paper Award.

Venue: *Universitat Politècnica de València – Valencia – Spain (Link to location)*

Deadline for Special Session proposals	December 15, 2012
Deadlines for paper digest and tutorial proposals	
Submission:	March 1, 2013
Notification of acceptance:	April 26, 2013
Final manuscript due:	June 14, 2013