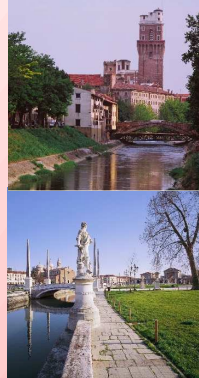




SLED 2010

Padova, Italy
9/10 July 2010



First IEEE International Symposium on Sensorless Control for Electrical Drives

Welcome,

It is our most sincere pleasure and honour to invite you to the First IEEE International Symposium on **Sensorless Control for Electrical Drives (SLED 2010)**, to be held in July 9-10, 2010 in Padova, Italy.

This conference follows three editions of the informal Workshop on Sensorless Control of Electrical Drives, Msida (Malta) 2007, Varsow (Poland) 2008, and Barcelona (Spain) 2009, where specialists of the topic began to grow up a bright sharing community.

During SLED 2010, international expert will help to answer the key questions being posed in the Sensorless Control of Electrical Drives area, with particular attention to induction machines, synchronous PM and reluctance machines. Keynotes, regular papers and industrial papers will be included in the two-day program.

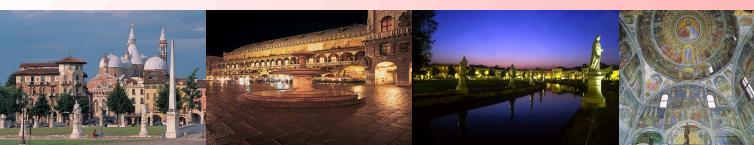
Join us! We would be honoured to have your input at the conference and your contribution to the discussion on present trends and future opportunities about this challenging topic in the electrical drives field.

Topic of interest include:

- Advanced theoretical (stability, accuracy, parameter sensitivity)
- Sensorless-oriented design of electrical motors and drives
- Industrial, commercial and home applications: case studies
- Implementation issues of sensorless control (e.g. FPGA, etc ...)
- Non-linearity impact (iron losses, cross saturation, eddy currents ...): prediction and compensation
- Standstill and low speed sensorless drives
- High speed sensorless drives
- Algorithms based on machine model
- Algorithms based on signal injection
- Comparison and standard tests for sensorless performance characterization

Take advantage and join SLED 2010 to enhance your knowledge and to discuss the latest developments on Sensorless Control of Electrical Drives with your peers!

This is also a unique opportunity to experience Italy. Padova is an exciting and historical city in a Region that exhibits a unique mixture of industrial, academic and touristic activities.



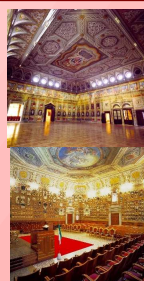
Volunteers from PELS, industry, academia and the host university, are combining their efforts to make this event a memorable experience for their participants.

A friendly dinner, an entertainment program for participants and accompanying persons and an exciting weekend in fascinating historical places will be proposed to all attendees.

Please bookmark web page **www.sled2010.org** and keep in touch for further information.

We are looking forward to see you in Padova!

Yours sincerely, General Co-Chairs



Important dates for Authors:

Digest submission May 10, 2010
Notification of acceptance May 25, 2010
Final submissions June 14, 2010
Early Registration due..... June 14, 2010

Accepted and presented papers will be published in the conference proceedings, and included in the IEEE Xplore® online digital library.



General Chairmen:

Prof. Silverio Bolognani (University of Padova - I)
Prof. Ralph Kennel (Technische Universitaet Muenchen - D)

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