2011 Symposium on Sensorless Control for Electrical Drives

(SLED 2011)

Birmingham, United Kingdom
1-2 September 2011
Message from the Chairmen

Dear Authors and Dear Participants,

It is with pleasure that we invite you to the 2nd IEEE International Symposium on Sensorless Control for Electrical Drives (SLED 2011), to be held on September 1st and 2nd 2011 at Austin Court, Birmingham, UK. An international event on Sensorless Control of Electrical Drives (SLED) dates back to 2007 and for 3 years was held as Workshops in Msida (Malta), Varsow (Poland) and Barcelona (Spain). Due to popular demand, it was expanded into a Symposium, the first being held in Padova in 2010.

SLED 2011 comprises 5 technical sessions of keynotes, industrial and regular papers covering the latest issues in the fascinating topic of shaft sensorless control of electrical drives. Particular attention is paid to induction machines, synchronous PM and reluctance machines with the papers spanning numerous topics including:

- Advanced theoretical topics (stability, accuracy, parameter, sensitivity, reliability)
- Sensorless-oriented design of electrical motors and drives
- Industrial, commercial and home applications: case studies
- Implementation issues of sensorless control (FPGAs)
- Non-linear issues (iron losses, cross saturation, eddy currents)
- Standstill and low speed sensorless drives
- High speed sensorless drives
- Algorithms based on machine model
- Algorithms based on signal injection and other more.

The Symposium also provides a great opportunity for networking among colleagues, whilst leading experts will be on hand to discuss the key issues, the present trends and the future opportunities in this exciting technology field.

All registrants are invited to the SLED formal dinner, to be held at Austin Court at 7.30 on Thursday 1st September.

We would like to acknowledge the IEEE Power Electronics Society for the sponsorship of this event. We would also like to thank all the technical co-sponsors and all those who have contributed to the Symposium: the authors, the reviewers, the co-chairs and the organising and administration staff at the University of Nottingham.

Prof. Greg Asher
Prof. Ralph M. Kennel
Prof Alfio Consoli
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