



ISIE 2007 – IEEE International Symposium on Industrial Electronics
June 4-7, 2007, Centro Cultural & Centro Social Caixanova, Vigo, Spain

Special Session on

**Organic MEMS
And
Emerging Microsystems Technologies**

Organized by

Ramesh Ramadoss (ramadra@auburn.edu), Auburn University
Bob Lempkowski (Bob.Lempkowski@motorola.com), Motorola,
Antonio Luque (aluque@gte.esi.us.es), University of Seville
Lienhard Pagel (lienhard.pagel@uni-rostock.de), University of Rostock
David Fries (dfries@marine.usf.edu), University of South Florida
Jose M. Quero (quero@us.es), University of Seville

Call for Papers

In recent years, MEMS research community has focused on new materials, fabrication processes and technologies that enable novel microsystems that are not easily realizable using conventional silicon-based MEMS. New materials investigated for MEMS applications include organic polymers such as Kapton Polyimide films, Teflon, Mylar, LCP, Parlyene, PDMS, SU-8 etc. The fabrication processes include PCB/PWB processing techniques, laser machining, plasma etching, micromolding, polymer micromachining, microstereolithography etc. The goal of this special session is to bring together researchers working on various areas of Organic MEMS and emerging Microsystems technologies.

Topics of interest include, but are not limited to:

- Materials and Fabrication processes
- Micromachining Techniques
- Actuators
- Sensors
- RF MEMS
- Optical MEMS
- Microfluidics and BioMEMS

Submission deadline: December 22, 2006.

Submission procedure: All the instructions for paper submission are included in the conference website: <http://www.dte.uvigo.es/isie2007>