



17<sup>th</sup> Annual IEEE

# International Mixed-Signals, Sensors, and Systems Test Workshop (IMS3TW'11)

*Santa Barbara, California  
May 16-18, 2011*

<http://cadlab.ece.ucsb.edu/IMS3TW2011/>

## Call for Papers

IMS3TW'11 will continue to address the traditional technology spectrum of analog, mixed-signal, and RF testing, but with increased attention to all aspects of current design complexity (e.g., parametric variability, power consumption, temperature effects). In this year's program, in addition to keynote speeches, two special sessions have been organized:

### Current Industrial Practices for Analog/Mixed-Signal/RF IC Test

Organizer: TM Mak, Intel, USA

- Elida de-Obaldia, Texas Instruments, USA
- Bryan Casper, Intel, USA
- Michael Laisne, Qualcomm, USA

### Lab-on-Chip Test Issues

Organizer: A. Simonian, Auburn University, NSF Bio-sensors Program Director, USA

- Holger Schmidt, UC Santa Cruz, USA
- Ali Adibi, Georgia Tech, USA
- M.A. Miled and M. Sawan, École Polytechnique de Montréal, Canada

**Social Program:** Santa Barbara is known for its world-class wine and vineyards. In this year's social program, we will visit two local wineries in the Santa Ynez Valley.

Prospective authors are invited to submit papers on the topics of interest listed below. Submissions should be via the workshop web-site and consist of either an extended summary of at least 750 words or a full paper. The accepted papers will be published in an IEEE Computer Society Proceedings available on the IEEE digital library (EXPLORE). Selected papers from the workshop will be invited for submission to a special issue of Journal of Electronic Testing (JETTA).

### Primary Topics of Interest include:

Test & Design for (on/off-line) Test  
Reliability & Design for Reliability  
Fault/Error Modelling & Simulation  
Fault Tolerance

Verification & Design for Verification  
Post-Silicon Validation  
Diagnosis & Design for Debug/Diagnosis

### Pertaining to the following systems or underlying technologies:

Analog/Mixed-Signal Circuits  
Biomedical Circuits & Systems  
RF & Wirelessly Controlled Devices  
Optoelectronics & Photonics  
Drug Delivery Microsystems

Lab-on-Chip  
MEMS, Microfluidics  
Embedded Systems  
Heterogeneous Systems  
Implantable Devices

### Key Dates

Submission deadline:  
Notification of acceptance:  
Camera-ready full papers:

~~February 14~~ **February 21, 2011**  
**March 21, 2011**  
**April 21, 2011**

### General Information

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K.-T. Cheng, UCSB, USA

#### General Co-Chairs

J.-L. Huang, National Taiwan U., Taiwan  
B. Kaminska, SFU, Canada

#### Program Committee Chair

H. Stratigopoulos, TIMA, France

#### Program Co-Chairs

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D. Keezer, Georgia Tech, USA

##### Sensors:

S. Bhunia, Case Western Res. U., USA

#### Panel Chair

K. Chakrabarty, Duke U., USA

#### New Initiatives Chair

B. Courtois, CMP, France

#### Special Session Chair

I. McWalter, CMC Microsystems, Canada

#### Publicity Chair

S. Mir, TIMA, France

#### Publications Chair

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