

**EXECUTIVE COMMITTEE****General Chair**

Carlos Mazure, *SOITEC*  
33 4 76 92 76 65  
carlos.mazure@soitec.fr

**Technical Program Chair**

Wade Xiong, *Texas Instruments*  
512.565.3354  
w-xiong2@ti.com

**Local Arrangements Chair**

Malgorzata Jurczak, *IMEC*  
32 15 28 805  
jurczakm@imec.be

**Treasurer and Registration Chair**

Jean-Luc Pelloie, *ARM*  
33 4 563 84700  
Jean-luc.pelloie@arm.com

**Publicity and Development Chair**

Mario M. Pelella, *tau-Metrix, Inc.*  
408.727.4100  
Mario.pellella@tau-Metrix.com

**SENIOR COMMITTEE****Short Course Chair**

Bruce Doris, *IBM*

**Rump & Poster Chair**

Makoto Fujiwara, *Toshiba*

**Fundamentals Class Chair**

Vishal Trivedi, *Freescale*

**Multimedia Chair**

Samuel Fung, *TSMC*

**ADVISORY BOARD**

Pierre C. Fazan, *Innovative Silicon*  
Toshiro Hiramoto, *University of Tokyo*  
Les Palkuti, *DTRA*  
Christophe Tretz, *IBM*

**TECHNICAL COMMITTEE**

Uygar Avci, *Intel Corp.*  
Juthika Basak, *Intel Corp.*  
Gary Bronner, *Rambus*  
Chang-Lee Chen, *MIT Lincoln Lab.*  
Jeff Cites, *Corning*  
Olivier Faynot, *CEA-LETI*  
Denis Flandre, *Catholic Univ. Leuven*  
Frank Fournel, *CEA-LETI D2NT/LTFC*  
Frederic Giansello, *STMicroelectronics*  
Rusty Harris, *Texas A&M University*  
Tom Hill, *Sandia National Lab.*  
Jiro Ida, *Kanazawa Institute of Tech.*  
Subramanian Iyer, *IBM*  
Tsu Jae king Liu, *UC Berkeley*  
Heracio Mendez, *SOI Consortium*  
Bich Yen Nguyen, *SOITEC*  
Jerry Zimmer, *sp3*

## CALL FOR PAPERS

The IEEE Electron Devices Society will sponsor the 36th IEEE International SOI Conference 11 – 14 October, 2010 at the Catamaran Resort & Spa in San Diego, California. The technical sessions will be preceded by a one-day Tutorial Short Course on 11 October. The purpose of the Conference is to provide a forum for open discussion in all areas of silicon-on-insulator technologies, their applications and the related infrastructure. A Fundamentals Class on Wednesday afternoon will allow participants to review and understand the basics of SOI devices and circuits. A Rump Session on Wednesday evening will encourage attendees to share their opinions and technical expertise on a chosen topic. A Best Paper Award and a Best Student Paper Award will be presented at the conclusion of the Conference.

Previously unpublished papers are solicited in all areas of SOI technology, including:

- ♦ **SOI DEVICE PHYSICS AND MODELING**
- ♦ **SUBSTRATE ENGINEERING** (III-V advanced substrates, hybrid SI and III-V integration)
- ♦ **NEW DEVICE / PHYSICS USING ADVANCED SUBSTRATES** (III-V CMOS, hybrid SI and III-V)
- ♦ **MANUFACTURABILITY AND PROCESS INTEGRATION OF SOI DEVICES**
- ♦ **LOW-POWER SOI TECHNOLOGY AND CIRCUIT DESIGN INFRASTRUCTURE**
- ♦ **SOI CIRCUIT APPLICATIONS** (high-performance MPU, SRAM, ASIC, high-voltage, RF, analog, mixed mode, etc.)
- ♦ **SOI DOUBLE AND MULTIPLE GATE/VERTICAL CHANNEL STRUCTURES; OTHER NOVEL SOI STRUCTURES NEW SOI STRUCTURES, CIRCUITS, AND APPLICATIONS** (displays, microactuators, novel memories, optics, etc.)
- ♦ **SOI RELIABILITY ISSUES** (hot-carrier effects, radiation effects, high-temperature effects, etc.)
- ♦ **MATERIAL SCIENCE / MODIFICATION, SOI CHARACTERIZATION, MANUFACTURE**
- ♦ **SOI SENSORS, MEMS, AND RFIDS TECHNOLOGY AND APPLICATIONS**
- ♦ **3D INTEGRATION** (imagers, power devices, wafer-to-wafer and die to wafer 3D integration)
- ♦ **SILICON or SOI PHOTONICS**

## SUBMISSION INFORMATION

Prospective authors should prepare a 2-page abstract of their work including illustrations and indicate a preference for poster or oral presentation. Submissions will be accepted for review in PDF format only and should be e-mailed to [papers@soiconference.org](mailto:papers@soiconference.org). If the PDF requirement presents a problem, please contact the conference manager for assistance at [manager@soiconference.org](mailto:manager@soiconference.org) or call (310) 305-7885 between the hours of 8:30 am and 4:30 pm Pacific Time.

## DEADLINE INFORMATION

Papers should be submitted no later than **14 May, 2010**. Notice of acceptance will be forwarded by 17 July, 2010. Late papers with exceptional merit will be considered for the Late News Session if submitted on or before 30 August, 2010. For further information, please contact the conference manager:

**Bobbi Armbruster ♦ 578 Washington Blvd., #350 ♦ Marina del Rey, CA 90292 T  
310.305.7885 ♦ F 310.305.1038 ♦ E [manager@soiconference.org](mailto:manager@soiconference.org)**

## Preparation of the 2-page abstract (Title – Initial Caps, 1-inch from the top of the page)

J.P. Author and G.E. Co-author (Author(s) – Initial Caps)  
ACME Corp., First City, NY (Company information)  
Email: Name@workplace.com, Tel: (xxx) xxx-xxxx

This set of instructions is given in the style and format to be used by authors in preparing abstracts for the 2010 IEEE International SOI Conference. Please follow the instructions listed below. **Note:** A two column format **must** be used, and a template may be downloaded from <http://www.soiconference.org>

### SIZE

The total length of the submitted abstract including all text, graphs, tables, charts, drawings and pictures, is **two pages**. Accepted abstracts are published in the conference proceedings as received. The abstracts must be typed within the frame shown (2 columns of 3.16'' wide and 0.17'' spacing by 9'' tall) which may be used as a template; **the frame must not appear on the summary**.

Margins are 1'' from the top of the page to the Title, 1'' from the bottom of the page, and 1'' left and right margins, for 8.5''x11'' paper. The title should be bold if possible, centered at the top of the page, and followed by the name(s) of the author(s) and their affiliation(s).

The font size/pitch used in the manuscript should be no smaller than 10 point/12 characters per inch. Tables, graphs and figures may be smaller if legible.

### COVER LETTER

Please submit an electronic copy of your 2-page abstract with a cover email identifying the following:

- Designated contact author: Name, mailing address, telephone number and email.  
**Note:** All conference correspondence will be sent to the designated contact author.
- Name of the presenting author (even if the same as the contact author).
- Preference for either oral or poster presentation.

The conference will accept submissions only in **electronic form** and only in **PDF** format. The PDF

file must be emailed as an attachment to the cover email and sent to the conference manager at [papers@soiconference.org](mailto:papers@soiconference.org).

For additional information on PDF requirements (fonts, password, compression, etc.), please refer to the IEEE guidelines located on the conference website in the download section.

### CRITERIA FOR SELECTION

Abstract review will be based on QUALITY, ORIGINALITY, and SIGNIFICANCE, and hence the summary should clearly reveal these attributes of the work described.

### NOTIFICATION

Please submit your summary early, but no later than 14 May 2010. You will be notified of the receipt of your summary. You will also be notified by 16 July, 2010 whether your paper is accepted for the conference. If your paper is accepted, you will be required to complete an IEEE copyright form. Please be sure to have sponsor approval if needed for the copyright assignment.

Authors of papers accepted for oral presentation should submit either a PowerPoint or PDF version of their no later than one week before the conference. A confirmation email will be sent to acknowledge receipt of the file.

### BEST PAPER & BEST STUDENT PAPER AWARDS

A Best Paper Award and a Best Student Paper Award will be given based on the summary submitted as well as the presentation at the conference. Late News papers will not be eligible for awards consideration.