

## Scope of the Workshop

The twelfth in the series of Hilton Head Workshops on the science and technology of solid-state sensors, actuators, and microsystems will be held on June 4 - 8, 2006. The Workshop is a regional meeting designed for North and South American researchers to present and discuss recent advances in microfabrication technologies for sensing and actuation devices and microsystems for physical, chemical, and biological applications. Abstracts will only be accepted from authors within this regional area. Topics include: new sensor, actuator, and microsystems concepts, device and process modeling/design, device fabrication including all aspects of microfabrication, nanotechnology, materials and methods of processing, circuits for sensors and actuators, system applications and issues including data analysis, and packaging technologies for interfacing sensors and actuators to the application environment.

The Workshop will be held at the Crowne Plaza Resort on Hilton Head Island, South Carolina, USA. It will be a single-session meeting, with ample time allotted for discussion of each paper, and with blocks of unscheduled time to encourage informal interactions among participants. There will be ten oral sessions and a contributed poster session. Manuscripts of papers presented in these sessions will be included in the Technical Digest. The Workshop has reserved several oral presentations and contributed poster session slots in the program for "Late News" papers. "Late News" papers, as submitted, will be accepted for presentation and will be published in the Technical Digest. "Late News" papers will be limited to two pages in length and must follow the submission procedure in the instructions. There will also be an Open Poster Session to encourage participants to discuss informally very recent results, work in progress, and results recently presented elsewhere. Open Posters will not be included in the Technical Digest. Please see the submission process for "Late News" and Open Posters on the website for further information.

The Technical Digest plus CD will be distributed to participants at the Workshop.



# Call for Papers

Abstract Submission Deadline: January 10, 2006

Late News Abstract Submission Deadline: March 13, 2006

Open Poster Abstract Submission Deadline: May 16, 2006

# 2006

Solid-State Sensor, Actuator,  
and Microsystems Workshop

# Hilton Head

June 4-8, 2006 | Hilton Head, South Carolina

[www.hh2006.org](http://www.hh2006.org)

**General Chairman:**  
Thomas W. Kenny - Stanford University

**Technical Chairman:**  
Leland "Chip" Spangler - Aspen Technologies

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Hilton Head Workshop  
June 4-8, 2006

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# Applying to Attend

Attendance will be limited to 450 participants, with preference given to authors. Attendance is limited to current residents of North and South America. An application is required from all prospective participants, including authors. Notifications of acceptance will be confirmed via e-mail. Please visit the website at [www.hh2006.org](http://www.hh2006.org) for the on-line application form. Applications will be reviewed and notification of acceptance will be made within eight days of the application being processed.



online

[www.hh2006.org](http://www.hh2006.org)

# Submission of Abstract

Prospective authors should submit 27 copies of a three-page document (one page abstract with no more than two extra pages of supporting drawings, graphs, photos, data, etc). The body of the abstract is limited to 600 words (excluding title, authors, references, and captions); longer abstracts will be rejected.

The abstract should include:

- 1 Title
- 2 Contact author's name, complete mailing address, electronic mail address, and fax number
- 3 Names and affiliations of additional authors (please underline the presenting author)
- 4 At the bottom of your abstract, report the word count and indicate the topic area

There will be 4 groups of topic areas:

- 1 Physical sensors, actuators, or systems
- 2 Chemical or biological sensors, actuators, or systems
- 3 Technology, materials, packaging, and CAD
- 4 MEMS Education

The website gives additional and detailed information on the selection criteria and submission process.

As a new component of the Workshop, the topic of "MEMS Education" has been added as a new category. This will stimulate dialog to improve MEMS education in the Americas. Abstract submissions related to the following topics are of particular interest: MEMS curricula, interdisciplinary studies, continuing MEMS education, and the opportunities that Universities have in preparing students for meeting the needs of industry. Submitted abstracts should follow the same guidelines as regular abstract submissions and will be subject to the same deadlines. Based on the abstracts received for the MEMS Education topic, the Technical Program Committee will determine how best to incorporate this topic into the Workshop.

Limited financial support will be available to encourage presentations by graduate students and new faculty. To qualify for consideration, requests for support must be made at the same time that an abstract is submitted.

**The deadline for abstract submission is January 10, 2006.**

All abstracts must receive their abstract submission number by 11:59 p.m. (PST), January 9, 2006 with the hard copies in San Diego by January 10, 2005. **This is a firm deadline and no extensions will be given.**

## Acceptance Information

Authors of selected papers will be notified of acceptance by mid-February 2006 with instructions on the preparation of a four-page extended abstract (figures included) for inclusion in the Workshop's Technical Digest.

**The deadline for this paper will be March 1, 2006.**

# Hilton Head 2006 Organizing Committee

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Thomas W. Kenny - *Stanford University*

## Technical Program Chairman

Leland "Chip" Spangler - *Aspen Technologies*

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Taylor, William P.	<i>Allegro Microsystems, Inc.</i>
Turner, Kim	<i>University of California at Santa Barbara</i>
Zhang, Xin	<i>Boston University</i>

## For Further Information Contact

### Hilton Head 2006 Workshop

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[kkcline@pmmconferences.com](mailto:kkcline@pmmconferences.com)  
Website: [www.hh2006.org](http://www.hh2006.org)

# Reply Form

2006 Solid-State Sensor, Actuator, and Microsystems Workshop  
June 4-8, 2006  
Hilton Head Island, South Carolina

- I intend to submit an abstract  
 I would like to receive a registration packet  
 My company is interested in sponsorship opportunities

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Dept: \_\_\_\_\_

Division: \_\_\_\_\_

Professional Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Please fax, or mail this form to:

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