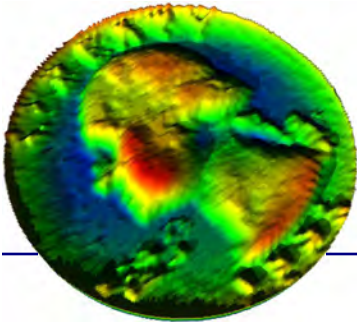




# Call for Papers

*SEM announces its 2009 Fall Symposium and Workshop*

## Advanced Image-Based Measurement Methods: Recent Developments and Applications in Engineering and Medicine



October 5-7, 2009  
Hilton Columbia Center  
Columbia, South Carolina USA

**Abstracts Due: May 8, 2009**

### Organizing Committee

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The Society for Experimental Mechanics, Inc. will hold the 2009 SEM Fall Symposium and Workshop, October 5-7 at the Hilton Columbia Center, Columbia, SC. The objective of the Conference is to provide an open forum for discussion of the current state of the art and future directions for image-based measurement methods.

This international event will feature a series of invited presentations and papers describing the current state of the art in image-based measurement methods, as well as a number of contributed papers and posters, which will be submitted in response to the Call for Papers. The Workshop is expected to have a Gordon-conference flavor, with single track sessions, informal panel discussions and an open atmosphere encouraging discussions throughout the presentation process that are conducive to a broad exchange of ideas. General panel discussions will be included at specific junctures to summarize progress and offer all participants an opportunity to comment. The formal conference is expected to include participants and presenters from national laboratories, government agencies, industry and academia, with representation from Asia, The Americas and the EU.

At the close of the conference, interested attendees will have the opportunity to work with current, state of the art equipment and image processing software to make quantitative measurements using (a) standard cameras, (b) microscopic vision systems and (c) high speed cameras.

### Sponsors to date include:



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# Submit Your Abstract Now

To provide an open forum for discussions regarding recent developments and the state-of-the-art in vision based measurement methods for shape, deformation and motion measurements, while simultaneously encouraging future collaboration between government, industry and academia in the area of non-contacting, image based measurements and related areas, potential contributors are encouraged to submit an abstract. It is important to note that contributions in all areas, especially as they relate to quantitative measurements, are welcome. Areas that the conference is expected to highlight, but will not be limited to, are the following;

High speed imaging and applications

Volumetric image registration and applications

*CT Scanning*

*Confocal Imaging Microscopy*

Multi-camera vision systems and applications

Multi-sensory measurement systems

*Temperature and deformation*

Microscale imaging and applications

*Optical*

*AFM and SEM*

Image distortions

**Please submit your abstract electronically at:  
<http://sem.org>**

## Partial List of Invited Speakers

*still growing!*

Prof. Ronald Adrian, Arizona State University, USA

Prof. Brian K. Bay, Oregon State University, USA

Prof. Ioannis Chasiotis, University of Illinois at Urbana-Champaign,  
USA

Prof. Francois Hild, ENS Cachan, France

Dr. Helena Jin, Sandia National Laboratories, USA

Prof. P.F. Luo, Chung Hua University, Taiwan

Dr. Timothy L. Miller, Sandia National Laboratories, USA

Prof. G. Ravichandran, California Institute of Technology, USA

Dr. Phillip Reu, Sandia National Laboratories, USA

Prof. Michael Sutton, University of South Carolina, USA

Prof. Wei Chung Wang, National Tsing Hua University, Taiwan

Prof. Wei Zhao, Nanyang Technological University, Singapore

## Important Dates

**May 8, 2009**

Abstracts due to SEM

**August 7, 2009**

Accepted authors requested to submit a full paper to SEM for publication in Symposium Proceedings

**October 5-7, 2009**

Symposium and Workshop

## Location

**Hilton Columbia Center**

924 Senate Street • Columbia, SC 29201 USA

Tel 803-744-7800 • Fax 803-744-7777

[www.hiltoncolumbia.com](http://www.hiltoncolumbia.com)

### Hotel Rates:

\$159.00 per night single/double  
plus applicable taxes (currently 11%)

**Hotel Reservation Deadline:** September 2, 2009

The Hilton Columbia Center is located about 15 minutes from the Columbia Metropolitan Airport (CAE) in the heart of Columbia's financial, entertainment, dining and historic districts. Within walking distance of the hotel is the University of South Carolina, South Carolina State Museum, Edventure Children's Museum, and Columbia's Riverfront Park.

**We will continue to update Symposium information at  
<http://sem.org>**



Organized by the  
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