



# ISSS 2014

## The 1st IEEE International Symposium on INERTIAL SENSORS AND SYSTEMS

February 25 - 26, 2014

Laguna Cliffs Marriott Resort & Spa

Dana Point, California

**We invite you!**

[www.isiss2014.org](http://www.isiss2014.org)

We invite you to the heart of Southern California – Orange County! This is one of Southern California's most vibrant recreation, entertainment, and educational centers. Famous worldwide for its picturesque sandy beaches, majestic coastline, infinite recreational activities, dining and world-class shopping, Orange county is more than a cluster of sophisticated beach towns – it's the center of high tech industry and premium educational institutions. The symposium will be hosted by the Laguna Cliffs Marriott Resort & Spa of Dana Point, within 20 minutes of Disneyland, California Adventure, Fashion Island, and within 30 minutes of Knott's Berry Farms, Newport Beach, Huntington Beach, Oak Creek and Pelican Hill Golf Courses, Edison Field (Anaheim Angels) and Honda Center (Anaheim Mighty Ducks).

### Topics:

#### 1. Inertial Sensors Phenomena and Modeling

theory, new physical principles, device-and-system-level modeling, multi-physics, deterministic/stochastic error models, predictive models

#### 2. Sensor Systems

sensor arrays, multi-sensor units, inertial measurement units, sensors electronics, actuator systems, control of sensors

#### 3. Manufacturing of Inertial Sensors and Systems

low-cost manufacturing, wafer-level fabrication, micro/nano fabrication, new materials, built-in diagnostics non-conventional manufacturing, assembly techniques

#### 4. Advanced Packaging

water-level, system-in-package, vacuum sealing, differential sealing, better materials

#### 5. Advanced Test and Evaluation technology

low-cost test and evaluation, calibration of arrays, wafer-level test and evaluation, characterization of sensors and systems

#### 6. Aiding navigation technology

hybrid systems, gravitational maps, star-trackers, vision

#### 7. Applications

consumer electronics, biomedical, sport, automotive, oil/gas exploration, military, target detection, aeronautical and space sensor systems

### Important Dates:

Abstract Submission: **September 1, 2013**

Author Notification: **November 1, 2013**

Full Paper Deadline: **December 1, 2013**

### Publication Plans:

Authors will submit two-page abstract for review (1 page text and 1 page figures). The final full paper will be 4 pages long. Presented papers will be included in the Proceedings and in IEEE Xplore. Authors may submit extended versions of their paper to the IEEE Sensors Journal.

### Symposium Chair:

Andrei Shkel,  
University of California, Irvine, USA

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