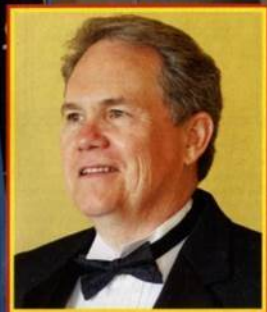


TEST

Engineering & Management

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TEST
President-Elect
Greg Winn

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compare in-house and
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COVER STORY:

**12-shaker multi-axis test system is
readied for use in a test laboratory**

(details, see page 5)

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ESTECH 2013—59th Institute of Environmental Sciences and Technology Annual Technical Meeting & Equipment Exposition

ESTECH 2013, the Institute of Environmental Sciences and Technology's (IEST) 59th Annual Technical Meeting (ATM) and Equipment Exposition, will be held April 29 through May 2 at the Marriott Del Mar Hotel, San Diego, California.



ESTECH 2013 highlights

President-elect Greg Winn, along with past IEST presidents, will host the Presidential Welcome Reception on Tuesday, April 30, from 5:30 to 7:00 PM in the hotel's Grand Ballroom A-E. All conference attendees are invited to this reception. The exposition's booths, also set up in the Grand Ballroom A-E, will be open during the Welcome Reception.

Award recipients for 2013 will be recognized for their outstanding achievements in the technical community at the IEST Awards and Membership Luncheon on Wednesday, May 1, from 12:00 to 1:15 PM. New Executive Board members and officers will also be introduced at the Luncheon, which will be held in the same room as the Exposition, the Grand Ballroom A-E.

Continuing Education "Passport"

Attendees may register for continuing education courses individually, or choose the Continuing Education "Passport." The Passport provides admittance to four days of training at a savings of up to 30 percent over *à la carte* registrations.

Networking and other events

In addition to the Expo, the Welcome Reception, and the Awards Luncheon, on Wednesday, May 1, there will be a "Surf's Up" event from 5:30 to 10:00 PM. Attendees may enjoy hors d'oeuvres and networking for an hour at Buster's Beach House in Seaport Village, then explore Seaport Village and downtown San Diego for dinner and shopping. Transportation will be provided both ways. There is a charge and attendance is limited to 25. There

will also be a New Member/First-Time Attendees breakfast (by invitation only) from 7:00 to 8:00 AM on Tuesday, April 30.

Visit the Institute of Environmental Sciences and Technology in the ESTECH registration area for information about the IEST and to sign up for a booth at ESTECH 2014

Exposition

Some 27 vendors will display their products and/or detailed information about their products and services during the one-day Exposition on Wednesday, May 1, from 7:00 AM to 3:15 PM. Booths will also be available for browsing from 5:30 to 7:00 PM during the Presidential Welcome Reception Tuesday evening, April 30, since that event will be held in the exhibit area.

Detailed descriptions of the 17 booths in the Design, Test, and Evaluation and Product Reliability areas are on pages 7, 17, and 18 of this issue, and may also be seen by following the link to the "Virtual Expo" portion of the IEST's website at www.iest.org.

Courses, sessions, meetings

ESTECH 2013 will offer five training courses, 10 conference sessions, and 14 Working Group meetings in Design, Test, and Evaluation and Product Reliability areas. Event names, dates, times, and some presenters are listed in this issue, on page 6.

Registration

Attendees may register online—at any time in advance of the conference, by visiting www.iest.org—or onsite. Onsite registration will be available during the event:

Monday, April 29 from 7:00 AM to 4:00 PM;
Tuesday, April 30 from 7:00 AM to 5:30 PM;
Wednesday, May 1 from 7:00 AM to 4:00 PM;
Thursday, May 2 from 7:00 AM to 2:00 PM.

For more information about ESTECH or the IEST, go to www.testmagazine.biz/info.php/13am136

New Products & Literature

Dynamometer test system for wind power

READERS: link to Sakor directly through www.testmagazine.biz/info.php/13am176

AccuDyne™ AC dynamometer test system from **Sakor Technologies** is designed for testing both active and passive wind power driveline components. System can be used to test and verify turbines and their associated blade pitch control motors; generators and wind-sensing devices and motors; transmissions; water coolant pumps; and ancillary components; and may also be used to test groups of components simultaneously.



USB portable data acquisition system

READERS: link to Silicon directly through www.testmagazine.biz/info.php/13am177

New three-channel Model 3330 G-Logger USB-powered portable data acquisition system from **Silicon Designs** is designed to optimize low-noise performance characteristics of the firm's single- and triaxial MEMS variable-capacitance accelerometer modules with analog output and 8-32 VDC excitation. Offers 16-bit data acquisition,



data rates of 1–10k samples/sec and per axis through each available input channel. Built on NI LabVIEW® platform.

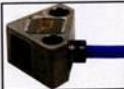
Portable vibration calibrator with certificate
READERS: link to Modal Shop directly through www.testmagazine.biz/info.php/13am178

New 91100 digital portable vibration calibrator from **The Modal Shop** is a compact, battery-powered, self-contained vibration reference source that can be used to calibrate individual sensors, vibration switches, and data collectors, as well as to validate the entire measurement channel of a condition monitoring or recording system. Calibrator calculates and displays test sensor sensitivity on the readout in real time, has built-in ICP® input for common piezoelectric accelerals, can save up to 500 calibration records directly to internal memory. Generates ISO 17025-compliant calibration certificates.



60,000g triaxial shock accelerometer
READERS: link to PCB directly through www.testmagazine.biz/info.php/13am179

New Model 3503A1060KG triaxial high-g MEMS piezoresistive shock accelerometer from **PCB Piezotronics** features 45-degree package orientation, DC response, damping, and mechanical stops for overrange protection. Unit complements PCB's 20,000g triaxial Model 3503A1020KG. Contains three silicon MEMS sensing elements. Titanium housing. Measuring range 60,000 g; minimum zero-shift after a



(Continued on page 18)