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# INSTRUMENTATION AND MEASUREMENT SOCIETY NEWSLETTER

March 2015

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## Connect with I&M

We'd like to thank you for adoption of our new social media sites. It is with your help that we can successfully reach a larger audience and spread the word about the I&M; Society along with Society events and information.



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If you have not yet joined any of these sites, please consider doing so.

## IEEE Instrumentation & Measurement Magazine

The February Issue of [IEEE Instrumentation & Measurement Magazine](#) is in the mail and is

## About the IEEE Instrumentation and Measurement Society Newsletter

Engineers today start their careers with excellent technical skills and subject matter expertise. The IEEE Instrumentation and Measurement (I&M;) Newsletter includes time sensitive news useful to its members and highlights content of the current issue of *IEEE Instrumentation and Measurement Magazine*.

## I&M Conference Calendar



The [2015 IEEE Sensors Applications Symposium \(SAS\)](#) will be held 13-15 April 2015 in Zadar, Croatia. [Online registration](#) is now open.

Visit our conference [Web site](#) for more information.

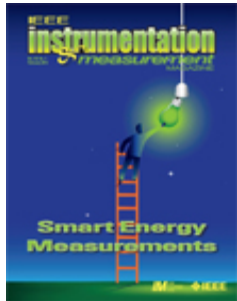


The [2015 IEEE International Symposium on Medical Measurements and Applications \(MeMeA\)](#) will be held 7-9 May 2015 in Torino, Italy. This year's symposium theme is Medical measurements: a need and a challenge. [Online registration](#) is now open.

Visit the conference [Web site](#) for more information.

retrievable now from IEEE Xplore, the IEEE online digital library.

All IEEE Instrumentation & Measurement Magazine subscribers can access the online edition using their [IEEE Account](#).



Feature articles in this issue:

- "Smart grids Part 1: Instrumentation challenges"
- "Smart grids Part 2: Synchrophasor measurement challenges"
- "Smart electric energy measurements in power distribution grids"
- "The future of instrumentation and measurement"
- "Impact of improved measurements on performance of a smart thermal energy system"
- "This is IEEE Energy: Energy studies at NIST"
- "Staying connected - in the right way"
- "How can energy be scavenged from wideband vibrations?"

### I&M; Officers for 2015

With a new year, we invite you to familiarize yourself with the 2015 class of I&M; Society Officers. These officers serve as the best point of contact for all aspects of I&M.;

For a full list and contact information, please visit our [Web site](#).

### I&M Chapter Summit 2015

# 2<sup>nd</sup> IMTC<sup>TM</sup> 2015 IEEE International Instrumentation and Measurement Technology Conference MAY 11 - 14, 2015 • PISA, ITALY

The [2015 IEEE International Instrumentation and Measurement Technology Conference \(I<sup>2</sup>MTC\)](#) will be held 11-14 May 2015 in Pisa, Italy. [Online registration](#) is now open.

Visit the conference [Web site](#) for more information.



The [2015 IEEE International Workshop on Metrology for Aerospace](#) will be held 4-5 June 2015 in Benevento, Italy. The paper submission deadline has passed. [Online registration](#) is now open.

Visit the conference [Web site](#) for more information.



The [2015 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications \(CIVEMSA\)](#) will be held 12-14 June 2015 in Shenzhen, China. The paper submission deadline has passed. [Online registration](#) is now open.

Visit the conference [Web site](#) for more information.

The [2015 International IEEE Symposium on Precision Clock Synchronization for Measurement, Control and Communication \(ISPCS\)](#) will be held 11-16 October 2015 in Beijing, China. [View](#) the ISPCS Call for Papers.

Important Dates:

- 20 April 2015 - Deadline for submission of technical papers;
- 11 May 2015 - Deadline for Plugfest registration;

I&M; is excited to invite you to attend the third I&M; Chapter Chair Summit on May 11, 2015 at the Palazzo dei Congressi in Pisa, Italy. The Summit will be held in conjunction with the [I<sup>2</sup>MTC 2015](#).

Chapter Chairs are encouraged to take advantage of the Chapter Summit to network with fellow Chairs and to interact with I&M; Administrative Committee (AdCom) members. The Summit activities are focused on two main targets: to let the Chapter Chairs and AdCom members discuss hot topics of common interest like Society support to Chapters, member activities, Chapter best practices, and to collect suggestions and comments to help the Society better support its members.

Chairs from all over the world have already registered for the Summit, please contact [Sergio Rapuano](#), I&M; Chapter Liaison, to register.

### IEEE Senior Membership

IEEE Senior Membership is the highest grade for which application may be made and requires experience reflecting professional maturity. Candidates need to be an engineer, scientist, educator, technical executive, or originator in IEEE-designated fields in professional practice for at least ten years and shall have shown significant performance over a period of at least five of those years.

An [application for Senior Membership](#) requires three references unless nominated by a Senior member, and in that case requires two references.

Congratulations to the newly elevated Senior members for 2015 thus far: Eduardo Cano, Paul Erickson, Joseph Kaiser, Chetan Kulkarni, Iman Morsi, Tom Nelson, Jomar Ochoco, Jose Pelegri Sebastia, Lihui Peng, Arash Samani, Sarah Seguin, Janusz Smulko and

- 25 May 2015 - Acceptance notice and work-in-progress paper submission deadline;
- 20 June 2015 - Deadline for camera-ready submission of all papers

The [2015 IEEE AUTOTESTCON](#) will be held 2-5 November at the National Harbor, in MD, USA. [View](#) the Call for Papers. We are [currently soliciting nominations](#) for the IEEE AUTOTESTCON Frank McGinnis Professional Achievement Award to be given at AUTOTESTCON 2015.

Important Dates:

- 15 April 2015 - Abstract Submission Deadline
- 1 June 2015 - Acceptance Notification
- 1 August 2015 - Final Manuscript Deadline

## Call for Nominations for I&M; Distinguished Lecturers

The I&M; Society is currently accepting applications for new Distinguished Lecturers (DL) for the Distinguished Lecturer Program (DLP). The DLP provides I&M; Chapters and technical events around the world with talks by experts on topics of interest and importance to the I&M; community. Our lecturers are among the most qualified experts in their field. [Read](#) the details on the DLP.

DLP Evaluations for 2015 will take place in May at I<sup>2</sup>MTC in Pisa, Italy. Details on the evaluation meeting will be made available on the [I&M; Web site](#) and the [I<sup>2</sup>MTC Web site](#) when available.

Suggested topics for DL presentations include (but are not limited to):

- Laser/Optics (including Fiber Optic Sensing);
- Measurement Precision, Sensitivity, and Noise;
- DC Measurements;
- Biomedical Instrumentation and Measurements;
- Robotics/Automated Measurements;
- Nanotechnology in Instrumentation and Measurement;
- State-of-the-Art of Traditional Measurements and Instrumentation (Digitizers, Voltmeters, Spectrum Analyzers, etc.).

To apply, submit a Word 2003 (or later) or PDF document and include the following:

- Title of Presentation;
- Presenter's name and affiliation;
- Abstract of the presentation topic (between 500 and 1000 words);
- A biography of the presenter (limited to 150 words).

Applications will be accepted through midnight (CST) on **27 April 2015**. Proposal presentations selected for an evaluation slot must be no longer than 12

## Congratulations to our 2014 Society Award Recipients!

All of the following 2014 Society Award Recipients will be honored at I<sup>2</sup>MTC 2015 in Pisa, Italy.

### [Distinguished Service Award:](#)

Alessandro Ferrero

"For eighteen years of outstanding leadership on the Society's AdCom, including service on the IMS Fellow Review Committee, as Chair of the I<sup>2</sup>MTC Board, Vice President for Publications, President, Junior Past President, Senior Past President, and Editor-in-Chief of the Transactions for Instrumentation and Measurement."

### [J. Barry Oakes Advancement Award](#)

Mohammad Tayeb Ghasr

"For contributions to the development of real-time millimeter wave imaging systems for nondestructive evaluation applications."

### [Career Excellence Award](#)

Steve Sparks

"For half a century of leadership, advancing state-of-the-art test and measurement instruments."

### [Outstanding Young Engineer Award](#)

Melanie Ooi Po-Leen

"For leadership and innovation in industry-focused engineering education and research in electronic test technology."

### [Technical Award](#)

George Xiao

"For outstanding contributions to the advancement and implementation of safety and security monitoring instrumentation and measurement technologies."

## I&M; Administrative Committee

The Instrumentation and Measurement's Society Administrative Committee held their Fall AdCom Meeting 9-11 October 2014 in Stresa, Italy. Their Spring AdCom Meeting will be held in conjunction with [2015 I<sup>2</sup>MTC](#) in Pisa, Italy 14-16 May 2015.

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