

To ensure you receive our email, please add IEEEService@ieee.org to your address book now.



INSTRUMENTATION & MEASUREMENT SOCIETY NEWSLETTER

May 2016

In this issue

- I&M Conference Calendar
- I&M Conference Call for Papers
- Benefits of Technical Co-Sponsorship
- I²MTC 2019 Bid Package
- I²MTC 2016 Graduate Student Panel
- Women in Instrumentation and Measurement Panel
- Report on CMI Conference
- Technical Committees
- TC-32-Fault Tolerant Measurement Systems
- Attention Book Authors
- IMS Chapter News
- 2016 Officers

Connect with I&M



[LinkedIn](#)



[Twitter](#)



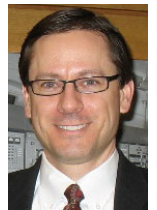
[Facebook](#)

About the IEEE Instrumentation & Measurement Society Newsletter

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

I&M Conference Calendar

We hold numerous workshops throughout the year. Please refer to the I&M; [Conference website](#) for a full listing. For more information on any of the conferences, please contact [Mark Yeary](#), VP of Conferences for the I&M; Society.



2016 IEEE International Symposium on
MeMeA | Medical Measurements and Applications
May 12-14, 2016 | Benevento, Italy

The 2016 [IEEE International Symposium on Medical Measurements and Applications](#) (MeMeA) will be held in Benevento, Italy 12-14 May 2016. For more information, visit our [website](#).

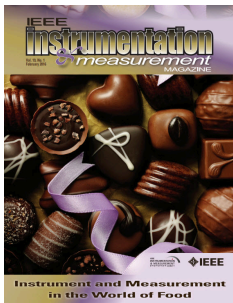
I²MTC™ 2016 IEEE International Instrumentation and Measurement Technology Conference
MAY 23-26, 2016 | Taipei International Convention Center | Taipei, Taiwan

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

IEEE Instrumentation & Measurement Magazine

The latest issue of [IEEE Instrumentation & Measurement Magazine](#) is in the mail and is 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 include:

- "You are what you eat: So measure what you eat!"
- "Historical development of grain moisture measurement and other food quality sensing through electrical properties"
- "AC and DC quantum hall resistance - simple and beautiful"
- "E-nose application to food industry production"
- "Microwave sensing of quality attributes of agricultural and food products"
- "Improving calibration accuracy of a vibration sensor through a closed loop measurement system"

New I&M; Chapter

We would like to welcome a new Chapter joining us in 2016:

The 2016 [IEEE International Instrumentation and Measurement Technology Conference](#) (I²MTC) will be held in Taipei, Taiwan 23-26 May 2016. For registration information, please visit our [website](#).

2016 IEEE International Conference on
CIVEMSA Computational Intelligence
and Virtual Environments for
Measurement Systems and Applications
BUDAPEST, HUNGARY | HOTEL NOVOTEL BUDAPEST CENTRUM | JUNE 27-29, 2016

The [2016 IEEE Computational Intelligence and Virtual Environments for Measurement Systems and Applications](#) (CIVEMSA) will be held 27-29 June 2016 in Budapest, Hungary. For more information, please visit the CIVEMSA [website](#).



[AUTOTESTCON 2016](#) will be held in Anaheim, California 12-15 September 2016. AUTOTESTCON is the world's premier conference that brings together the military/aerospace automatic test industry and government/military acquirers and users to share new technologies, discuss innovative applications, and exhibit products and services. It is sponsored annually by IEEE.

Nominations are being accepted for the McGinnis Award, for more information and to nominate please visit the [website](#).

I&M; Conferences Currently Soliciting Paper Submissions

2016 International Conference on Indoor Positioning and Indoor Navigation

The [Seventh International Conference on Indoor Positioning and Indoor Navigation](#) (IPIN) will be held in Alcalá de Henares, Madrid, Spain, 4-7 October 2016. [View](#) the Call for Papers.

Submission deadline: regular papers 15 May 2016

Work-in-Progress: 30 June 2016

Have a conference you'd like advertised in the I&M; Society Newsletter? Contact [Lauren Stockman](#) for details on how to have it included.

Spotlight on the Benefits of Technical Co-Sponsorship

I&M; offers two types of sponsorship: Technical and Financial. In this issue, we would like to briefly focus on technical co-sponsorship. The main benefit of technical co-

IMS Distinguished Lecturer

Professor Wuqiang Yang delivered a talk during his visit in Kolkata, India 9-12 January 2016. Visit our [website](#) to view his report.

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.

The following members have been elevated in 2016: Salmiah Ahmad, Sergio Angelo Cruz, Zdenek Bradac, Ana de Almeida, Gordon Deans, Axel Junge, Takehiro Morioka, Amauri Oliveira, Miguel Perez, Briane Ritchie, Norlida Buniyamin, Vittorio Ferrari, Magnus Karlsson, Darren Woodhouse

sponsorship is the knowledge sharing that IMS members about the field of instrumentation and measurement. Other benefits are:

- Be included in the IEEE Conference Search tool
- Be encouraged and supported to participate in the IEEE Conference Publications Program (CPP): the primary objective of the CPP is to include the Conference papers in IEEE *Xplore* for the widest dissemination within the technical community
- Be included in the IMS website
- Use IMS and IEEE logos to attract qualified attendees
- Be listed in the IEEE IMS Magazine pages

Other benefits can be specified in the conference Memorandum of Understanding (MoU). Technical co-sponsorship requires direct and substantial involvement by the IMS in the organization of the conference technical program. Technically co-sponsored Conferences must include IMS members in the technical committees in order to contribute in managing the Call for Papers, the technical program and the review process. In addition, the IEEE IMS logo must be included in all event publications and announcements. In summary, these requirements help to boost the collaboration between the IMS and the primary participants of the conference so that the benefits listed above are maximized.

I²MTC 2019 Bid Package

The I²MTC Board of Directors is seeking bids to host I²MTC 2019. The deadline for bids has been extended to 15 May. Please refer to the [I²MTC Bid Package](#) for all information. Please send bid package (or at a minimum, a Letter of Intent to bid) to Judy Scharmann, j.scharmann@conferencecatalysts.com, cc to Reza Zoughi, zoughi@mst.edu.

We are seeking engagement in the bidding process from the IMS membership; whether it be through Chapters, Sections, Technical Committees, or past I²MTC attendees.

Please send the [I²MTC Bid Package](#) to all interested parties.

Thank you for your involvement in IMS and in our flagship conference, I²MTC!

I²MTC 2016 Graduate Student Panel Announcement

The Graduate Student Panel will be taking place at I²MTC on Wednesday, 25 May, 1:30-3:30 p.m. in room 202 at the TICC. The panel topic this year at will be "Finding Your Niche."

"Each person takes a different route in finding their passion and niche. Sometimes this route is immediately evident, and sometimes it contains obstacles. Come hear panelists discuss how they chose their research topic, their path after receiving their degree, where they hope to take their careers, and their pursuit of their passions."

Women in Instrumentation and Measurement (WIM) Panel

The WIM Panel will be held at I²MTC on Wednesday, 25 May at 10:00 a.m. - 12:00 p.m. in room 202 at the TICC.

The [Women in Instrumentation and Measurement](#) (WIM) Panel is held each year at

I²MTC. This is the 6th year we have held this important panel at I²MTC, and Dr. Kristen Donnell will be serving as the Panel Chair. We are also fortunate to have Dr. Bozenna Pasik-Duncan as our keynote speaker this year. In the past, topics of discussion have ranged from the history and influence of women in science, mentoring, gender bias and acceptance, amongst others. We look forward to seeing men and women attend our Panel to hear Dr. Pasik-Duncan discuss her experiences. For more information about the WIM Panel, please contact Kristen at kmdgfd@mst.edu.

Report on 2016 IEEE First International Conference on Control, Measurement, and Instrumentation (CMI)

The 2016 IEEE First International Conference on Control, Measurement & Instrumentation took place 8-10 January 2016 in Kolkata, India. CMI was organized by IEEE Joint CSS-IMS Kolkata Chapter, India, in collaboration with Jadavpur University, India, and was technically co-sponsored by IEEE IMS USA.

The keynote speaker was Prof. Wuqiang Yang, University of Manchester, UK, IEEE Fellow, Distinguished Lecturer, IEEE Instrumentation & Measurement Society, USA. The title of his talk was "Electrical Capacitance Tomography and Industrial Applications."

Visit our [website](#) to view the full report on CMI.

Technical Committees

I&M; has many different Technical Committees (TC). Our TCs define and implement the technical directions of the Society. As a fundamental element of the Society all members are invited - and encouraged - to participate in one or more of its technical committees. Please contact Ruqiang Yan, VP Technical and Standards Activities, at ruqiang@seu.edu.cn or any member of the Technical and Standards Activities Committee, if you are interested in membership in one or more of our TCs. To view the complete list of TCs, visit our [website](#).

TC-32-Fault Tolerant Measurement Systems

TC-32 offers to the I&M; Society community the following free online tools for measurement uncertainty evaluation through the Technical Committee Website:

1. [Online Mathematical Toolbox for Analytical Standard Uncertainty Evaluation](#)
2. [Mellin Transform-based Moment Calculator for Multivariate Polynomials](#)
3. [Benchmark Test Distributions for Measurement Uncertainty Evaluation](#)

Attention Book Authors

Advertise your book on the I&M; website! The Instrumentation & Measurement Society provides a list of book titles written by I&M authors on the I&M; [website](#). The Society believes that books are an excellent avenue to disseminate the most advanced state-of-the-art within and outside of the community and that the website will help to spread the good news about the hard work of the authors. The guidance govern which titles will be displayed. We look forward to your contributions! Visit our [website](#) for terms and guidelines.

IMS Chapter News

IEEE IMS Romania Chapter organized the seminar "Synchronized measurements: Applications in modern power systems", held 7 April 2016 at Politehnica University in Bucharest, Romania. There were invited presentations from Arbiter Systems, Elpros, Romanian transport and distribution system operators and academia. The seminar was attended by more than 40 participants, 15 of them being IEEE and IMS members. IMS activity and initiatives have been also briefly presented and new student members have joined IMS and others added IEEE membership to their CIGRE volunteering.

On 8 April 2016, a seminar was presented by Alex McEachern (IEEE Fellow) from Power Standards Lab. His talk was devoted to power quality issues, including the new vision brought by Edition 3 of IEC 61000-4-30: "Power Quality Measurement Methods." The seminar was attended by 57 professionals from industry (invited) and academia.



I&M; 2016 Officers

[View](#) the full list of 2016 I&M; Officers.

[View](#) the full list of I&M; AdCom members.

[View](#) the full list of additional AdCom appointments.

[Accessibility](#) | [Privacy and Opting Out of Cookies](#) | [Nondiscrimination Policy](#)

Copyright 2016 IEEE - All rights reserved. Use of this newsletter site signifies your agreement to the IEEE [Terms and Conditions](#). A not-for-profit organization, IEEE is the world's largest professional association for the advancement of technology. [Response: Read Receipt]

To unsubscribe from all mailings, use your IEEE Account to update your "Personal Profile and Communication Preferences."

Replies to this message will not reach IEEE. Due to local email service/provider settings, random characters may appear in some instances.

Although the IEEE is pleased to offer the privilege of membership to individuals and groups in the OFAC embargoed countries, the IEEE cannot offer certain services to members from such countries.

IEEE
445 Hoes Lane

Piscataway, NJ 08854 USA

+1 800 678 4333 (toll free, US & Canada)

+1 732 981 0060 (Worldwide)

For more information or questions regarding your IEEE Membership or IEEE Account, please direct your inquiries to the [IEEE Contact Center](#).