



# INSTRUMENTATION & MEASUREMENT SOCIETY NEWSLETTER

1st Quarter 2020

## About the IEEE Instrumentation and Measurement Society Newsletter

Engineers today start their careers with excellent technical skills and subject matter. 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*.

## Welcome Message from I&M Society President

Buongiorno!

We are starting a new year that I am sure will be exciting and full of great new things!

I have been given a great honor: to be the President of the Instrumentation and Measurement Society for the next two years. It is a privilege to offer my best efforts to continue making our society better and better.

Let me first thank Max Cortner, our president and leader these past two years. His wise, gentle, expert, and far-seeing attitude helped take the I&M Society to new heights.

My intention is to follow his steps and "think big" and propose ambitious plans, new initiatives and collaborations that can help interconnect our Society with other IEEE Societies and Councils, thus tapping into the best opportunities offered by IEEE. I strongly believe that science and technology should always search for and cross-fertilize across disciplines and experiences.

Widening our audience will also help in the dissemination of our message. I&M's mission is to:

- Provide the most comprehensive and high-quality services to our members and related professionals;
- Serve as the professional incubator for the growth of all (particularly younger) members
- Be in the forefront of future I&M technological advances

Keep watching our [website](#), follow us on social media, and read this newsletter to stay up to date with the long list of initiatives that we are developing and will offer to our members in this upcoming year.

We are working hard for our Society, but we need you and your involvement in the I&M Society! Join our Chapters, form new Chapters and Student Chapters, propose new Technical Committees, take advantage of inviting our Distinguished Lecturers, propose new topics for conferences and workshops, submit your papers

to our conferences and journals, and attend our conferences. In short, be an active part of our and your community!

Join us in our efforts to make our Society always better!

This year you will meet me and other AdCom members at various Society events (identifiable from their name tags). Feel free to come and talk to each and every one of us with your ideas, proposals or even criticisms! Do not hesitate to email me ([salvatore.baglio@unict.it](mailto:salvatore.baglio@unict.it)) if you cannot attend the conferences and want to communicate.

Look forward to seeing you around!

Ciao,  
Salvo Baglio  
President of the IEEE Instrumentation and Measurement Society

## Benefit of I&M Membership

As our mission statement says, the Instrumentation and Measurement Society Administrative Committee strives to "provide the most comprehensive and high-quality services to our members and related professionals." The I&M Society has a wide range of activities and benefits to offer our members. These are detailed on our [website](#) highlighting the available services and products.

There also are many opportunities for our members to become involved in volunteer leadership positions that help promote the instrumentation and measurement profession. We invite you to become involved today!

## Meet the AdCom

### Salvo Baglio, your 2020 IMS President!

Follow the link below to read Salvo's answers to a myriad of questions.

[READ HERE](#)

## I&M Awards

The IEEE Instrumentation & Measurement Society (I&M) is soliciting nominations for its Society and other Awards. To view the full detailed listing of each award please visit our [Awards page](#) on the website.

**Award Nomination due by 1 August 2020:**

Career Excellence Award  
[Details](#) | [Nomination Form](#)

Distinguished Service Award  
**Details | Nomination Form**

J. Barry Oakes Award  
**Details | Nomination Form**

Outstanding Young Engineer Award  
**Details | Nomination Form**

Technical Award  
**Details | Nomination Form**

## I&M Publications News

Publishing is one of the best methods for researchers to spread the good news about their innovative research. The *IEEE Transactions on Instrumentation and Measurement* (TIM) is dedicated to this goal, and the leadership of TIM and the Instrumentation & Measurement Society's Administrative Committee is working diligently to ensure that submitting papers is as efficient as possible for authors, reviewers, and the editorial team. As such, beginning in 2020, TIM will be supported by a new internet-based platform known as PeerTrack™, which is a modern manuscript submission and peer review management website. Allen Press' PeerTrack™ is based on the industry-leading Aries Editorial Manager platform and provides journals, books, reference works and other scholarly publications an intuitive, cloud-based system for managing manuscript submissions and peer review. Consequently, it will be perfect for TIM beginning in 2020 and in the years to come. As always, authors are encouraged to [visit the Society website](#) and navigate to the Authors tab for submitting your next manuscript!

### **Present your IEEE TIM Journal Paper at an I&M conference**

Authors of any papers published or e-published during 2019 in IEEE TIM are welcome to present that TIM paper in a poster session at one of the following 2 I&M conferences:

- IEEE International Instrumentation and Measurement Technology Conference (I2MTC), Dubrovnik, Croatia, 25-28 May 2020
- IEEE Medical Measurements and Applications (MeMeA), Bari, Italy, 1-3 June 2020

The TIM paper is automatically accepted (no review is done) as long as (1) the authors submit and register the paper at the conference in time, and (2) in case of MeMeA and SAS, the topic of the TIM paper matches with one of the topics of the conference.

There are many advantages to presenting your TIM paper at one of the above conferences. First, you will have a chance to promote your work to the conference audience and get more exposure for your work in the Instrumentation and Measurement community. Second, you might receive useful feedback on your work, leading to further research or collaboration with other community members. Third, your TIM paper might receive more attention and citations since more

people will be aware of it. Finally, it is a perfect opportunity to do networking with other experts like yourself in the community.

Publication Rules:

1. Your TIM paper's title, authors list, and abstract will appear in the conference program.
2. The paper itself will not appear in the conference proceedings or in *IEEE Xplore*, since it is already published in *IEEE Xplore* as an IEEE TIM paper.
3. You can present the same TIM paper at only one of the above 2 conferences.

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**IEEE TIM is the Number 1 Journal in the Area of General Instrumentation and Measurement**

For more information on TIM, [click here!](#)



## IEEE TIM Top Cited and Downloaded Papers

To view the top cited and accessed IEEE TIM Papers, click [here](#).

## I&M Education News

The IEEE Instrumentation & Measurement Society (I&M) is soliciting nominations for Graduate Fellowship and Faculty Course Development Awards and has recently extended the nomination deadlines.

### **Extended Deadlines due 1 April 2020:**

Graduate Fellowship Award

[Details](#) | [Nomination Form](#)

Faculty Course Development Award

[Details](#) | [Nomination Form](#)

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## **George (Giorgio) C. Giakos receives the Fulbright Specialist Award**

IMS member and IEEE Fellow George (Giorgio) C. Giakos joins the prestigious Fulbright Specialist program, awarded by the United States' State Department. He will lecture as Fulbright Visiting Lecturer during March 2020 at IIIT, a school declared to be Institute of National Importance by the Government of India.



The Fulbright Specialist program sends US faculty and professionals in a vast array of disciplines to academic institutions abroad in order to share their expertise and collaborate with the hosting institution. FSP recipients assist in the building of educational capacity and foster long-term educational relationships.

Congratulations to George!

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## **I&M Society Video Tutorial Program**

Video is rising as one of the new tools for capturing the interest of large audiences. Virtually numberless self-produced videos can be found on the internet, on any topic you should be interested in. The I&M Society is developing its own Video Tutorial Program as part of its Educational activity. We are proposing videos on relevant and important topics of interest to the I&M community. A Video Tutorial lasts about twenty minutes and is intended to capture the interest of the viewer to the topic. Videos are classified as belonging

to the Expert or Classroom series. Video Tutorials of the Expert series are authored by someone who is recognized as an expert (academician or practitioner) in his/her field, while a Classroom series Video Tutorial is one typically authored by a graduate student and may be geared more towards specific measurement or instrumentation skills and/or classroom-based lecture topics. The I&M Society also offers the opportunity to earn CEU/PDH credits.

Recording a video provides a great opportunity to both reach a large audience and give a relevant contribution to the instrumentation and measurement culture. We are looking for Video Tutorial proposals which can enrich the offerings and the significance of the portfolio.

For more information, please see our [website](#). If you have any questions, please contact [Prof. Salvatore Graziani](#), the Editor-in-Chief of the Video Tutorials Program.

Video Tutorial Program

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## **I&M Society Distinguished Lecturer Program 2020 Call for Applications**

**Deadline: 3 May 2020**

The Instrumentation and Measurement (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. More details on the DLP can be found on [our website](#).

DLP Evaluations are conducted in person each year at I2MTC. This year, I2MTC will be held 25-28 May 2020, in Dubrovnik, Croatia. Details on the Evaluation Meeting will be posted on the [I&M website](#) and the [I2MTC website](#) as they become available.



## **I&M Conference News**

### **2019 International Conference on Imaging Systems and Techniques (IST)**

The 2019 International Conference on Imaging Systems and Techniques was held 8-10 December 2019 in Abu Dhabi, UAE. The IST is a premier conference in imaging, integrating physics, engineering, and biology concepts and principles to the image formation, metrology, analysis, and processing, including AI. Next year the IST will take place in Kaohsiung, Taiwan, at the National Science and

Technology Museum, under the leadership of Professor Chi Hung Hwang. Kaohsiung is very close to Taipei and 1.5 h flight time from Hong Kong.

[Read Full Report Here](#)

## I&M Conference Calendar

We hold numerous workshops throughout the year. Please refer to the Conference Listing to see a full listing.

[Full Conference Listing](#)

For more information on any of the conferences, please contact [Gourab Sen Gupta](#), VP of Conferences for the I&M Society.



[Visit Conference Website](#)

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[Visit Conference Website](#)

### **Industry Day Abstracts Submission Deadline: 30 March 2020**

#### **2021 IEEE I2MTC**

The site for the 2021 IEEE International Instrumentation & Measurement Technology Conference (I2MTC) has now been selected! The 2021 Conference will be held in Glasgow, Scotland. Stay tuned for more information.

#### **2022 IEEE I2MTC**

The site for the 2022 IEEE International Instrumentation & Measurement Technology Conference (I2MTC) has now been selected! The 2022 Conference will be held in Ottawa, Canada. Stay tuned for more information.

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[Visit Conference Website](#)

**Advance Registration Deadline: 1 April 2020**

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[Visit Conference Website](#)

**Initial Submission Deadline: 2 March 2020**

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[Visit Conference Website](#)

**Full Paper Submission Extended Deadline: 16 February 2020**

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[Visit Conference Website](#)

**Abstracts Deadline: 30 March 2020**

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[Visit Conference Website](#)

**Deadline for Submission of Regular Papers: 11 May 2020**

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**Technically Co-Sponsored Conference Listing**



[View Conference Website](#)

[View Conference Website](#)

Have a conference you would like advertised in the I&M Society Newsletter?  
Contact [Judy Scharmann](#) for details on how to have it included.

## I&M Technical Committee News

### Call for Participation in Technical Committees

I&M has 20 different Technical Committees (TCs). 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 [yanruqiang@xjtu.edu.cn](mailto:yanruqiang@xjtu.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. You can also complete the [application form](#) and send to the chair of the TC you're interested in. To view the complete list of TCs, visit our [website](#).

## Recognition of Technical Achievements and Innovations – Announcement of Issued Patents

We would like to recognize I&M Society members' technical achievements and innovations that have resulted in issued patents during the current calendar year. If you have already been issued a patent in 2016, we wish to add it to the list. To do so please [fill out the form here](#) and we will add the information to the website. In addition, if you are issued a patent in the future please use the same link to inform us and we will be happy to add it to the list as we intend to continuously update the information in this list.

## Attention Book Authors

Advertise your book on the I&M website! The Instrumentation and Measurement Society would like to provide 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 below will govern which titles will be displayed. We look forward to your contributions! Visit our [website](#) for terms and guidelines.

## Publications

***IEEE Instrumentation & Measurement Magazine***

**Latest Issues**

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](#).

[February 2020](#)

[December 2019](#)

[October 2019](#)

[August 2019](#)

[June 2019](#)

[April 2019](#)

[February 2019](#)

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## 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.

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[2020 I&M Officers](#)

[I&M AdCom Members](#)

[Additional AdCom Appointments](#)

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