



INSTRUMENTATION & MEASUREMENT SOCIETY NEWSLETTER

4th Quarter 2019

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



Greetings!

As we approach year-end, I approach the end of my service as president of the I&M Society. It has been a great two years. I have had the privilege of leading a worldwide organization of professionals dedicated to the field of instrumentation and measurement. In the past two years, we have raised the *Transactions on Instrumentation and Measurement Magazine* to number one in its field; meanwhile, we sponsored conferences in every part of the globe on numerous topics of Instrumentation and Measurement.

Measurement touches every part of engineering and every part of life. It has been my goal as president of the Society to meet as many people as possible. I hope you have benefited from this effort. It has benefited me tremendously. To that end, I have taken fifteen trips in two years (mostly international) to meet members in their geographical and professional area. I have had the pleasure of participating in conferences and meetings on five continents. Most recently, I attended the ICCVE which I&M sponsored for the first time this year. Connected vehicles and automated driving are a hot topic and the I&M has much to contribute to the discussion.

For the next two years, your president will be a wonderful friend of mine, Salvo Baglio. He has already devoted years to continuously improving our Society and we will continue his efforts. I will be a member of the AdCom for the next four years, and I hope to continue meeting members at conferences in the future. My life is enriched by my work with all of you. I would be pleased to hear from you. I would like to thank all the members of my AdCom: They are wonderful people and true professionals. Thanks, grazie mille, vielen dank, 谢谢 for a great two years!

Regards,

J. Max Cortner

President of the IEEE Instrumentation and Measurement Society, 2018-2019

Benefit of I&M Membership

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!

I&M Student News

Dear Students of the I&M Society,

This quarter we partnered with IEEE-HKN to host two webinars for students to learn about the broad range of exciting opportunities IEEE has to offer. If you would like to use the webinar slides or recording at your own Chapters or Student Branches, feel free to email me at katelyn.brinker@ieee.org! The content will also be posted to the HKN and IMS websites at hkn.org and ieee-ims.org.

We've also put together a Slack Workspace to foster community within our student membership. If you would like to join our Slack workspace and be a part of the conversation, you can use [this invite link](#).



As always, if you have any questions or suggestions about IMS student activities, feel free to reach out to me [via email](#) or through Slack.

Best,
Katelyn Brinker
I&M Graduate Student Representative

Your Participation Sought for the 2020 IEEE International “Sensors and Measurement” Student Contest

I2MTC 2020 IEEE International
Instrumentation & Measurement
Technology Conference

TECHNOLOGY ADVANCEMENT THROUGH STRONG FOUNDATION AND PERSISTENT INNOVATION

May 25-28, 2020 | Valamar Lacroma | Dubrovnik, Croatia

Master and PhD Students are encouraged to apply for the Contest on Sensors and Measurement Application. Teams are challenged to develop and demonstrate their own application.

For Live Demonstration at I2MTC 2020: Submit by December 20, 2019 We are looking forward to a large participation and a lively contest in Dubrovnik next year!!

[Read Details Here](#)

IEEE International "Sensors and Measurement" Student Contest 2019 Winners



[Read More Here](#)

The first Live Demonstration Session of the 2019-2020 edition of the IEEE International Instrumentation and Sensor Student Contest was completed during the IEEE Sensor 2019 last October in Montreal, Canada. Over four groups applied, and the first-place team from IIT Mumbai, India received a certificate and US\$2000.

I&M Awards

Call for Technical Committee and Education Awards (to be presented at I2MTC 2020 in Dubovnic, Croatia)

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 31 December 2019:

Outstanding Technical Committee Award

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

Award Nominations due by 1 February 2020:

Graduate Fellowship Award

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

Faculty Course Development Award

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

Please refer to the [Call for Award Nominations](#) on the IMS website to see the varying due dates for nominations. Nominators should utilize the forms associated with each award description found on the [website](#).

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 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 3 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
- IEEE Sensors Applications Symposium (SAS), Kuala Lumpur, Malaysia, 9-11 March 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.

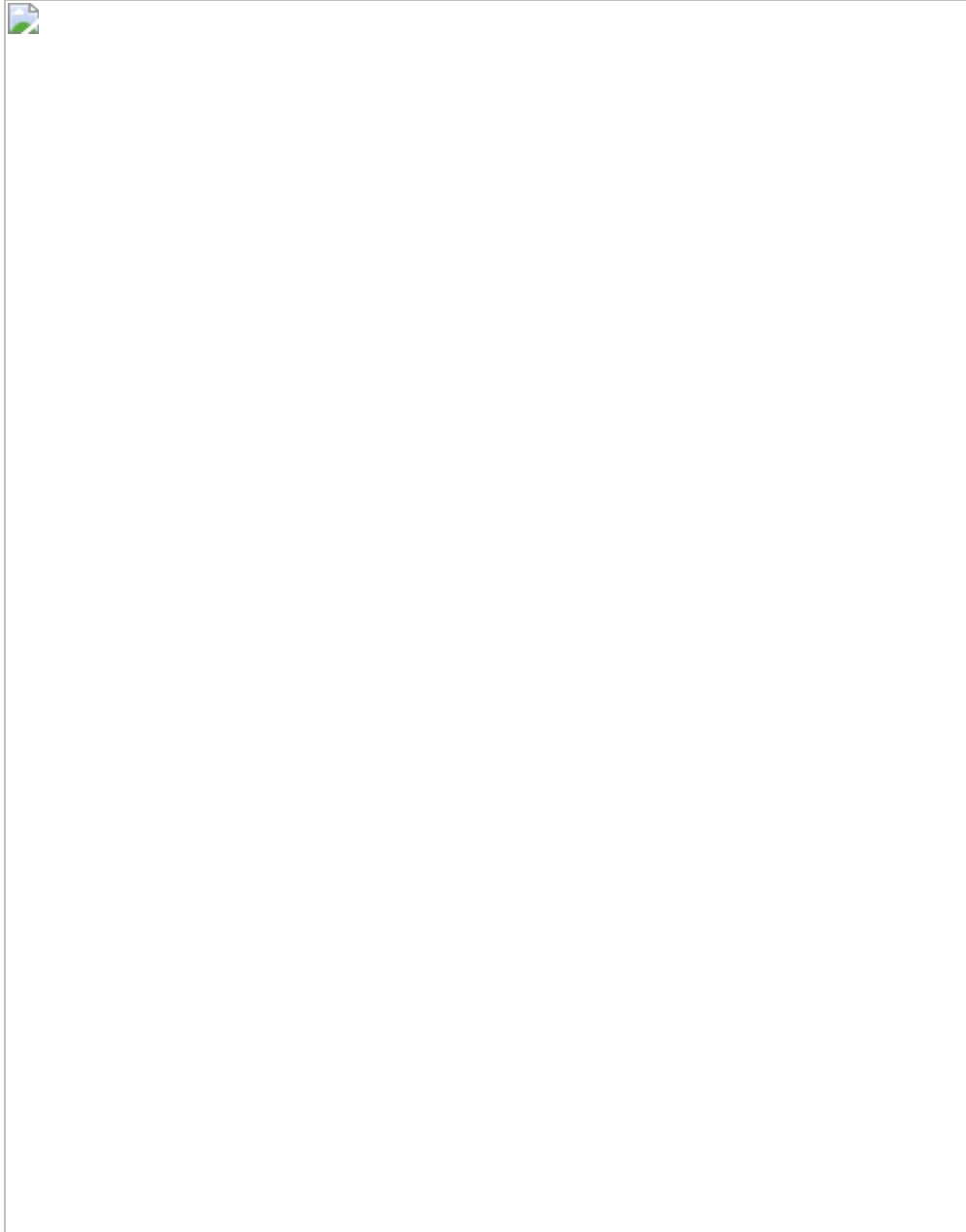
Publication Rules:

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 3 conferences.
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IEEE TIM is the Number 1 Journal in the Area of General Instrumentation and Measurement

We are pleased to announce that *IEEE Transactions on Instrumentation and*

Measurement (TIM) is the number 1 journal in the area of general Instrumentation and Measurement according to the 2018 Scopus Report, in terms of both CiteScore (3.84) and SJR (0.878). In addition, with an Impact Factor of 3.067, TIM is also in Quartile 1 (Q1) of the Instruments and Instrumentation category according to the 2018 JCR Report. 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

IMS at the Heart of the Autonomous, Connected and Electrified Vehicle Revolution

Sergio Saponara, IEEE IMS DL, University of Pisa



The race towards Autonomous, Connected and Electrified (ACE) vehicles will revolutionize the mobility of people and goods, with a tremendous social and economic impact. Instrumentation and measurement (IM) systems are key enabling technologies for the ACE revolution.

[Read More Here](#)



I&M Conference News

ICCVE, the I&M Society's Newest Conference

The IEEE International Conference on Connected Vehicles and Expo was held in Graz, Austria this fall. The Conference was chaired by Dr. Daniel Watzenig who is Head of the Department of Electrics, Electronics, and Software at the Virtual Vehicle Research Center as well as a Professor of Engineering at the Technical University of Graz. The conference was a lively place of discussion attended by academics from around the world and industry representatives from around Europe.



SPIDER Testing Platform for Automated Driving hits the ICCVE 2019 Conference
Graz, 7 November, 2019

[Read Full Report Here](#)

"Challenges and Trends in Smart Instrumentation and Measurement" Workshop

The workshop entitled "Challenges and trends in smart instrumentation and measurement" was successfully held at Campus Artem, in Nancy, France on 10 October, 2019. The workshop was jointly organized by the IEEE I&M France Section Chapter and GDR SOC2 - Frontiers and cyber-physical interfaces.



[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](#)



[Visit Conference Website](#)

TIM Papers at SAS Submission Deadline: 13 January 2020



[Visit Conference Website](#)

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.



[Visit Conference Website](#)



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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 Scharmman](#) for details on how to have it included.

I&M Technical Committee News

Announcing the Formation of IEEE IMS TC-2 -- Impedance Spectroscopy

Technical Committee-2 (TC-2) on Impedance Spectroscopy was approved by the IEEE Instrumentation and Measurement (I&M) Society AdCom in October 2018.

The aim of this technical committee is to serve as a platform for scientists and engineers involved in the field of impedance spectroscopy in order to focus on the potential of this method in measurement and sensor technology:

- to encourage research on subtopics and challenging topics related to impedance spectroscopy
- to promote and facilitate the exchange of knowledge between scientists
- to organize events related to impedance spectroscopy
- to become an official consultative body for industry in the field of power systems
- to promote new standards and guidelines

You're welcome to join the Technical Committee on Impedance Spectroscopy of the IEEE I&M Society.

To join TC-2, contact the TC Chair Olfa Kanoun (Email: olfa.kanoun@etit.tu-chemnitz.de) with your name, title, position, affiliation, and a self-introduction by email.

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 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 fill the [application form](#) and send to the chair of your interested TCs. To view the complete list of TCs, visit our [website](#).

Chapter News

Activities of IEEE Spain Section I&M Chapter

The IEEE Spain Section I&M Chapter was founded in September 2017. Since then, three annual Chapter meetings and several events have been hosted. We would like to thank our Chapter Advisor, Prof. Olfa Kanoun for supporting the Chapter. I would like also like to thank all the speakers, IEEE members and students for taking part in the events carried out.

We think that being part of the IMS community contributes a big way to fulfilling our professional duties.



[Read More Here](#)

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

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](#).

 **Image of
Feb 2017
IEEE I&M
Magazine**

Latest Issues

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[December 2018](#)



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.

[2019 I&M Officers](#)

[I&M AdCom Members](#)

[Additional AdCom Appointments](#)
