



3rd 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



Dear IEEE Instrumentation & Measurement Society Members:

The IEEE I&M Society is closely monitoring developments related to the rapidly evolving COVID-19 pandemic.

The health and safety of our volunteers is the number one priority of our Society. The IMS Executive Committee is working diligently with IEEE to define a course of action that will take local regulations into consideration while ensuring that the hard work of our conference organizers and authors is not minimized by the impact of this pandemic.

We want to keep all of you informed as best as possible. Please continue to check [our website](#) for updates about upcoming conferences and events.

Wishing you the very best,

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!

2020 IEEE I&M Society Election for the AdCom Open NOW!



VOTE ONLINE NOW!

Voting open from July 28 - September 15

The IEEE Instrumentation and Measurement Society election of Members-at-Large to the AdCom is now open. We hope you will take the time to exercise your vote and help choose the future direction of the Society. Your vote counts!

The voting period ends 15 September 2020.

[Vote Now](#)

Meet the AdCom

Kristen Donnell, Your 2020 IMS Vice-President of Finance!

Follow the link below to read Kristen's interview.

[Read Here](#)



I&M Membership News

Congratulations to the 2020 IEEE Joseph F. Keithley Award winner Dario Petri!

Congratulations

IEEE TECHNICAL FIELD AWARD RECIPIENT

DARIO PETRI

**2020 IEEE JOSEPH F. KEITHLEY AWARD
IN INSTRUMENTATION AND MEASUREMENT**

Sponsored by Keithley Instruments, a Tektronix Co. and the IEEE Instrumentation and Measurement Society

"For contributions to measurement fundamentals and signal processing techniques in instrumentation and measurement."




[Learn more about the IEEE Joseph F. Keithley Award here.](#)

Report from IMS WIE Liaison Ferdinanda Ponci

The IEEE WIE International Leadership Conference, usually a yearly crowded in-person event, was held virtually this year, in the middle of June.



Outstanding speakers presented during live interactive sessions, now available for you as watch-on-demand, free, [here](#). Just fill out a short registration form and you are in.

On the same page you'll find a library of YouTube videos of other talks of the conference that you can access directly. The speakers are outstanding experts and communicators, and they address a broad range of topics. You'll find technical topics like "Machine Learning with Python using Jupyter Notebook," career and leadership topics like "Demystifying the Magic of Networking," and soft skills topics like "Develop and Authoritative voice."

The Chair of WIE, Liza Lazareck-Asunta, has been profiled in [IEEE Spectrum](#). Check it out for insight on an outstanding role model and inspirational quotes.

I&M Society Spring 2020 AdCom Meeting

The I&M Society Spring 2020 AdCom meeting was held on Saturday, 30 May. Due to COVID-19 health concerns, it was held online.

Missouri S&T has received a US\$1.5 million award from the National Science Foundation!




I&M Society Treasurer, Dr. Kristen Donnell, in collaboration with Dr. Garry Grubbs and the research team at Missouri S&T have received a US\$1.5 million award from the National Science Foundation to develop a new, state-of-the-art, rotational microwave spectrometer on its campus in Rolla. The instrument will be used by several universities to collect some of the most detailed information available about the structure of gas phase molecules. The new spectrometer is projected to offer improvements in molecular measurements for research in fundamental gas phase physical chemistry and chemical physics.

[Read More Here](#)

I&M Publications News

IEEE TIM enters Q1 of JCR's EEE category for the first time



- TIM has entered the **first quartile (Q1)** of **JCR's Electrical and Electronic Engineering (EEE)** category
- TIM has remained in **Q1** of JCR's Instruments and Instrumentation category
- TIM continues to be the **#1 general I&M journal**
- Impact Factor of **3.658** compared to last year's 3.067
- CiteScore of **6.6** compared to last year's 3.84

TIM's timeliness has also improved, especially since the move to the new manuscript processing system, PeerTrack, which has led to an average submission-to-first-decision time of 28.4 days in 2020, compared to 59 days in 2019 in the old AllenTrack system.

[More information here.](#)

For more detailed metrics, please see [TIM's metric page](#).

IEEE TIM to go fully digital in 2021

After the December 2020 Issue, TIM will become an online-only, volume-only, rapid-publication journal. From 2021, when a paper is accepted, its final IEEE-edited version is assigned to a Volume on IEEE *Xplore* with the article sequence number in approximately three weeks after acceptance, assuming the authors will be timely in submitting the correct final files and responding to proof requests.

[More Information Here](#)

IEEE TIM Celebrates its 70th Anniversary!

TIM will turn to Volume 70 in 2021, indicating its 70th anniversary. Be sure to read the Editor-in-Chief's Year-End Message, appearing soon in the December 2020 Issue, which will contain all sorts of fun historic facts and a number of interesting top 70 lists: *Top 70 most-published authors*, *Top 70 most-published organizations*, and *Top 70 most-cited articles*, all extracted from the Web of Science data and in both "all-time" and "in the past 7 years" categories, as well as *Top 70 most-productive reviewers* and *Top 70 most-productive Associate Editors*, both for the past 7 years. We are commemorating all contributors in those lists with special 70th-anniversary certificates, and especially recognizing the top contributors with Gold, Silver, and Bronze medals, as shown in the picture.



[More Information Here](#)

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

TIM has been ranked number one in general instrumentation and measurement in terms of Impact Factor without Self-Cites! For more information on TIM, [click here!](#)

Q1
Electrical and Electronic Engineering

Impact Factor
3.658

Q1
Instrument and Instrumentation

IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT

A PUBLICATION OF THE IEEE INSTRUMENTATION AND MEASUREMENT SOCIETY

The IEEE Transactions on Instrumentation and Measurement (TIM) is the number 1 journal in the area of general instrumentation and measurement in terms of Impact Factor, and in Quartile 1 (Q1) of both the Electrical and Electronic Engineering (EEE) and Instrument and Instrumentation (I&I) categories of the Journal Citation Report. In terms of timeliness, TIM's average duration of submission-to-first-decision and submission-to-online-publication of 30 days and 20 weeks, respectively, are among the very best in all of IEEE journals.

In addition to **regular papers**, TIM also publishes short papers and survey/review papers. **Short papers** are 3- and 4-page papers that are reviewed faster than regular papers, providing authors with a means for rapid publication of novel, significant and time-sensitive articles. **Survey/review papers** review the existing literature on a specific topic, and present further contributions such as a novel taxonomy that will guide other researchers, deep analysis with new findings that were previously unknown, or identifying gaps and providing new insights. TIM is a hybrid journal, so papers can be published in either **conventional** or **Open Access** modes, depending on the author's preference.

IEEE TIM is the flagship publication of the IEEE Instrumentation and Measurement Society and publishes papers that report on innovative solutions to the development and use of electrical, electronic, or software instruments and equipment to measure, monitor and/or record physical phenomena for the purpose of advancing measurement science, methods, functionality and applications. IEEE TIM is **indexed** in (list is not exhaustive):

- Science Citation Index
- Science Citation Index Expanded
- Essential Science Indicators
- Current Contents: Engineering, Computing & Technology
- SCOPUS
- SCImago
- IEEE Xplore
- DBLP
- Google Scholar

Submit:

- Regular paper
- Short paper
- Survey/review paper

Publish:

- Conventional
- Open Access

For more info, please visit <http://tim.ieee-ims.org>

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**IEEE INSTRUMENTATION
& MEASUREMENT
SOCIETY**

IEEE TIM Top Cited and Downloaded Papers

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

IEEE TIM Survey/Review papers

Do you want to get an up-to-date and comprehensive tutorial with in-depth analysis on a specific I&M topic? Then check out TIM's Survey/Review papers. These are references that can bring up to speed researchers, for example graduate students who want to start research in their thesis topic, relatively quickly and conveniently in one reading. Here is the [list of all TIM Survey papers](#).

I&M Education News

The Instrumentation and Measurement Society is working with IEEE Press and Wiley to develop book topics relevant to the Society through a liaison program. IMS members are invited to publish books relevant to instrumentation and/or measurement through this program, which does not affect the author's share of the book sale revenue. Interested individuals: Please contact either Professor Zheng Liu (zheng.liu@ubc.ca) or Professor Octavia Dobre (odobre@mun.ca) for details.

I&M Society Video Tutorial Program

Video Tutorial Program

The I&M Video Tutorials program offers two categories of 20-minute tutorials to I&M members: [The Expert Series](#) (24 available) and [the Classroom Series](#) (3 available). These tutorials are an excellent way to earn CEU/PDH credits!

Video Tutorials (VTs) 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 VT 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. If you are interested in being part of the Video Tutorial program, please contact [Professor Salvatore Graziani](#), Editor-in-Chief of the Video Tutorials Program.

[Listing of Expert Series VTs](#)

[Listing of Classroom Series VTs](#)

[More Information Here](#)

Introducing the new I&M Society Distinguished Lecturers!

The Distinguished Lecturer Program (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](#).

Eros Pasero, Italy
"Medicine 4.0: AI and IOT, the new revolution"

[Read about Eros's background here.](#)
[Read about Eros's DL talk here.](#)



Yong Yan, United Kingdom
"Measurement and monitoring techniques through electrostatic sensing"

[Read about Yong's background here.](#)
[Read about Yong's DL talk here.](#)



Daniel Watzenig, Austria
"Introduction to Autonomous Vehicles"
"Multi-Sensor Perception and Data Fusion"

[Read about Daniel's background here.](#)
[Read about Daniel's DL talks here.](#)



For 2020, in light of the COVID-19 pandemic, presentations and evaluations will be held via an online platform. For questions or concerns, please contact the DLP Chair, [Kristen Donnell](#).



IMS Technical eLearning Library

The premier collection of online continuing education courses for technical professionals



On-Demand Professional Development



Cost Effective and Convenient



Free Content for IMS Members



Library of Technical Resources



Learn more by visiting <http://resourcecenter.ims.ieee.org>

I&M Conference Calendar

The I&M Society is monitoring the fluid situation due to COVID-19 and its impact on I&M Society conferences. Please see below for the most current information as of 21 August 2020, and refer to our [website](#) or individual conference websites for up-to-date information.

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.

Cancelled 2020 Conferences, Postponed till 2021

AUTOTESTCON 2020

The Board of Directors of IEEE AUTOTESTCON and the IEEE AUTOTESTCON 2020 Organizing Committee regret to inform our loyal authors, attendees and exhibitors that IEEE AUTOTESTCON 2020, scheduled for 24-27 August, 2020 at the Gaylord National Resort & Convention Center in National Harbor (Oxon Hill) Maryland is hereby canceled.

[IEEE AUTOTESTCON 2021](#) will take place as scheduled, on 30 August - 2 September 2021.

IEEE International Workshop on Applied Measurements for Power Systems (AMPS 2020)

The safety and well-being of all conference participants is our top priority. After considering the recent announcements, guidance, and news released by relevant national departments, including restrictions being placed on group gatherings, we are sorry to announce that AMPS 2020, scheduled to be held 23-25 September, 2020 in Cagliari, Italy, is postponed until 2021.

[More information](#) will be provided when available.

IEEE International Symposium on Precision Clock Synchronization for Measurement, Control, and Communication (ISPCS 2020)

Due to the consequences of the Covid-19 situation, the ISPCS Steering Committee has decided to postpone the conference in Vienna to Fall 2021. Thus, there will be no ISPCS conference in 2020. During the discussions, the Steering

Committee has considered running ISPCS 2020 as a virtual conference, but in the end, the Committee felt that the value of the ISPCS conference is in the face-to-face meetings and plugfest, which we believe could not be successfully replicated in a virtual setting.

We welcome and look forward to your attendance and participation in ISPCS 2021 in Vienna, Austria.

[More information](#) will be provided when available.

IEEE International Conference on Imaging Systems & Techniques (IST 2020)

The safety and well-being of all conference participants is our top priority. Please know that our thoughts are with those affected by the COVID-19 outbreak. After studying and evaluating the recent announcements, guidance, and news released by relevant national departments, we are sorry to announce that IST 2020, scheduled to be held November 10-12, 2020 in Kaohsiung, Taiwan, is postponed until June 22-24, 2021.

[More information](#) will be provided when available.

I2MTC 2021 and 2022



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.

[View the I2MTC 2021 Call for Papers here.](#)

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.

Technically Co-Sponsored Conference Listing

2020 International Symposium on Sensing and Instrumentation in 5G and IoT Era (ISSI)

Shenzen, China, 18-20 2020 November

The safety and well-being of all conference participants is our top priority. As such, ISSI 2020 has been POSTPONED to 18-20 November 2020. Camera ready submission and early registration: 25 August 2020.

[Visit Conference Website](#)



2021 IEEE Second International Conference on Control, Measurement and Instrumentation (CMI)

Held in Kolkata, India on 8-10 January 2021

[Visit Conference Website](#)



IEEE International Conference on Smart Grid Synchronized Measurements and Analytics 2021 (IEEE SG SMA 2021)

Held in Split, Croatia on 25-27 May 2021

[Call for Papers](#) - Paper submission Deadline: 20 September 2020

[Visit Conference Website](#)

To include a conference in this listing, contact [Judy Scharmann](#) for details.

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 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 2020, 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](#).



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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.

[2020 I&M Officers](#)

[I&M AdCom Members](#)

[Additional AdCom Appointments](#)

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