

December 2021

## 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 and Measurement Society Members:

This year is coming to an end after we all have been dragged into a completely new world and forced to face unexpected threats.

The IEEE Instrumentation and Measurement Society has crossed these two last years striving to offer the best possible services to our valued members. Our conferences, even if held in a virtual manner, have been largely populated and attended as well as our other events including Virtual Distinguished Lectures and Video Tutorials.

Our publications, Transaction, Magazine and Newsletter are even more our pillars representing the "preferred" venue for scientific publications and for general dissemination.

The year 2022 will also see the growth of our brand new [Open Access Journal \(OJIM\)](#).

For this upcoming year we aim to return to the "new normal," and have in-person meetings again, because we believe in the unique energy of human interactions, powered by some of the things that we were forced to learn in these two years.

Scientific research improves with networking and cross-fertilization of ideas and experiences, in-person and hybrid conferences will be fundamental in implementing this.

Enjoy our renewed [website](#), follow us on our socials, [Facebook](#), and [LinkedIn](#), and read our [newsletter](#) to stay up to date with the long list of initiatives that we will develop and offer to our members in this upcoming year.

We all work with the highest commitment 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, 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!

Feel free to come and talk to me and to each of us with your ideas, proposals or even criticisms; do not hesitate to email me (salvatore.baglio@unict.it) if you cannot attend the conferences and want to communicate.

Looking forward to seeing you around.

Ciao,

Salvo Baglio

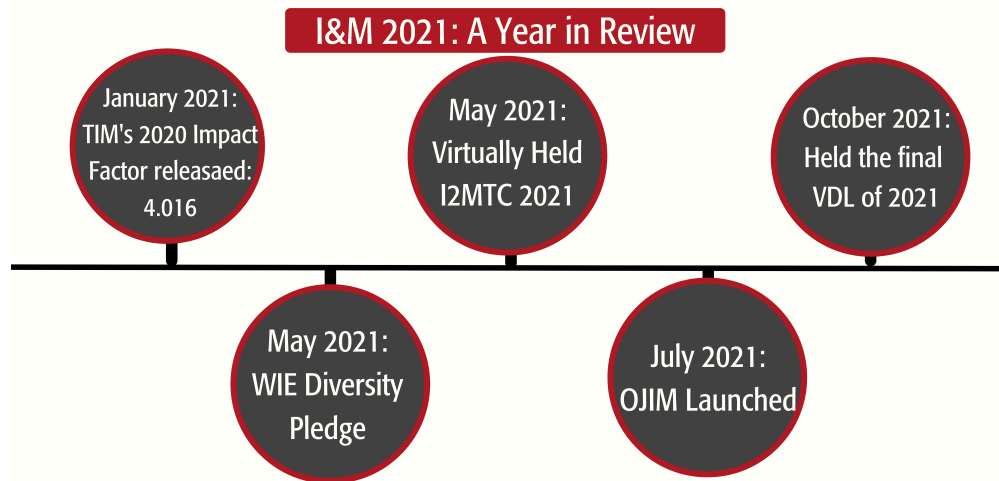
President of the IEEE Instrumentation and Measurement Society 2020-2022

### 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!

### I&M 2021: A Year in Review



### Meet the AdCom

#### Ferdinanda Ponci, IMS VP Membership

"Be confident and in hard times resume to self-discipline and hard work to quell the fears"

Follow the link below to read Ferdinanda's interview.

[Read Here](#)



## Outgoing AdCom Members

Please join us in thanking our outgoing AdCom members. Thank you for all of your contributions to the I&M Society.



**Gourab Sen Gupta**  
Massey University  
New Zealand

2018-2022 AdCom  
Member



**Lijuan Wang**  
University of Kent  
United Kingdom

June 2019-2021  
YP Representative

## I&M Elections

Congratulations to the newly elected I&M Society AdCom Members-at-Large for the term 2022-2025!



**Katelyn Brinker**  
Iowa State University  
United States



**Ruth A. Dyer**  
Kansas State University  
United States



**Luca De Vito**  
Università degli Studi  
del Sannio  
Italy



**Salvatore Graziani**  
Università di Catania  
Italy

## I&M Membership News

### Report from IMS WIE Liaison Ferdinanda Ponci

In 2022, we will celebrate the 25th Anniversary of IEEE Women in Engineering (WIE). As part of the celebration, we will have a competition for innovative ideas to address specific WIE-related issues. Winners will be invited to present their ideas in a dedicated session at the 2022 International Leadership Conference in San Diego in June 2022.



[Learn More](#)

### Student Chapter Activity Idea

Hold a collaborative event, such as a game night social, with your IEEE Student Branch and invite students in your department. This is a great way to expose new people to your chapter in an informal setting!



### Join Our Slack Workspace

Are you a student or young professional IMS member? Join our slack workspace with fellow members from around the world!

[Join Here](#)

### I&M Awards News

#### Congratulations to the 2020 IMS Society Award Winners!

The following individuals were recognized at the virtual 2021 I2MTC. [View the awards ceremony here.](#)

A graphic announcing the 2020 J. Barry Oakes Advancement Award winner, Judy Amanor-Boadu. The graphic has a white background with a red header bar containing the text 'Awarding Excellence'. Below the header, the name 'Judy Amanor-Boadu' is displayed in bold, followed by 'Intel Corporation, United States'. To the right is a portrait of Judy Amanor-Boadu, a Black woman with braided hair, wearing a white patterned shirt. Below the name and photo, the text reads 'J. Barry Oakes Advancement Award 2020 Awardee'. At the bottom, there is a black bar with the text 'Nominate Today' in white, and the IEEE Instrumentation &amp; Measurement Society logo and website URL 'ieee-ims.org/awards/society-awards'.

### Nominate for the 2022 IMS Education Awards!

The deadline for nominations is 1 February 2022

#### Best Dissertation Award

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

## Faculty Course Development Award

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

## Graduate Fellowship Award

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

## I&M Publications News



The *IEEE Open Journal of Instrumentation and Measurement* (OJIM) is now accepting papers for Special Sections (SS). Please note that the instructions for submission are the same as regular papers ([see instructions here](#)), except that you should additionally choose the specific Special Section during the submission process.

For more information on OJIM's Special Sections or to view the current Call for Papers, [click here](#).

[Visit the OJIM Website](#)

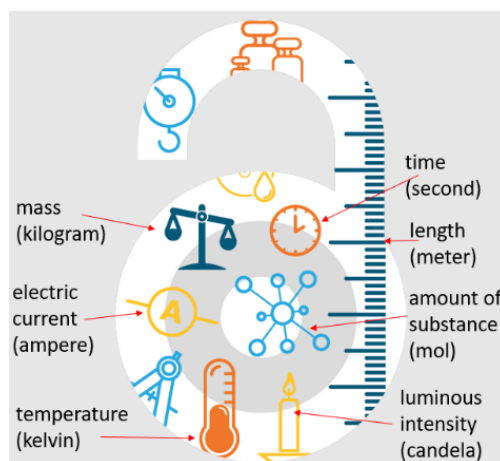
In July, we ran a contest for the newly-launched *IEEE Open Journal of Instrumentation and Measurement* (OJIM). Here is the question:

"In OJIM's logo, we can see the standard IEEE open access sign (the "opened lock") that IEEE uses for all its accelerated Gold Open Access journals. In addition, the lock contains symbols that constitute something of special significance in metrology, if you look closely at the lock's circle.

What is that 'something of special significance in metrology' in the logo?"

To find the answer, and view a list of winners, follow the link below.

[Read More](#)



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

TIM remains the number one journal in general instrumentation and measurement, with an Impact Factor of 4.016 compared to last year's 3.658. [View TIM Metrics here.](#)

TIM has been ranked number one in general instrumentation and measurement in terms of Google H-5 index! For more information on TIM, [click here!](#)

**Q1**  
Electrical and Electronic Engineering

**Impact Factor 4.016**

**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 16 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

### 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.

[More Information Here](#)

### I&M Society Distinguished Lecturer Program

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](#).



The I&M Society continued the "IEEE IMS Virtual Distinguished Lecturer Webinar Series" in 2021. This initiative allowed us to continue providing you with our respected and reputable Distinguished Lecturer program. Thank you to all who registered and participated in this lecture series!

If you missed any of the talks, [recordings are available on our website!](#)

For questions or concerns, please contact the DLP Chair, [Kristen Donnell](#).

## I&M Technical Committee News

### Call for Participation in Technical Committees

I&M has 20 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, 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 it to the chair of your interested TCs. To view the complete list of TCs, visit our [website](#).

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### 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.

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### Attention Book Authors

Advertise your book on the IMS website! The Instrumentation and Measurement Society would like to provide a list of book titles written by IMS 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.

## I&M Conference News

**The IMS AdCom met for the fall meeting, held virtually this year, on 21-22 October 2021.**



## 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 29 November 2021, 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 [Yuri Catunda](#), VP of Conferences for the I&M Society.

### IEEE ICCVE 2022

HYBRID | 21-23 February 2022



[Conference Website](#)

### IEEE I2MTC 2022

Ottawa, Canada | 16-19 May 2022



[Conference Website](#)

### IEEE CIVEMSA 2022

Chemnitz, Germany | 15-17 June 2022



[Conference Website](#)

### IEEE MeMeA 2022 (IEEE International Symposium on Medical Measurements and Applications)

Messina, Italy | 22-24 June 2022



[Conference Website](#)

### IEEE SAS 2022 (IEEE Sensors Applications Symposium)

Sundsvall, Sweden | 1-3 August 2022

[Conference Website](#)

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### IEEE AUTOTESTCON 2022

National Harbor, MD, USA | 29 August - 1 September 2022

[Conference Website](#)

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### Technically Co-Sponsored Conference Listing

#### IEEE International Conference on Smart Grid Synchronized Measurements and Analytics (IEEE SG SMA 2022)

Split, Croatia | 24-26 May 2022

[Visit Conference Website](#)

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#### IEEE International Workshop on Metrology for Living Environment (IEEE MetroLivEnv 2022)

Cosenza, Italy | 25-27 May 2022

[Visit Conference Website](#)

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#### IEEE International Workshop on Metrology for Industry 4.0 & IoT (MetroInd4.0&IoT)

Trento, Italy | 7-9 June 2022

[Visit Conference Website](#)

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#### IEEE 9th International Workshop on Metrology for AeroSpace (MetroAeroSpace 2022)

Pisa, Italy | 27-29 June 2022

[Visit Conference Website](#)

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**IEEE 12th International Conference on Indoor Positioning and Indoor Navigation (IPIN 2022)**

Beijing, China | 5-8 September 2022

[Visit Conference Website](#)

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**IEEE International Conference on Metrology for Extended Reality, Artificial Intelligence and Neural Engineering (MetroXRINE 2022)**

Rome, Italy | 26-28 October 2022

[Visit Conference Website](#)

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

## 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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[2021 I&M Officers](#)

[I&M AdCom Members](#)

[Additional AdCom Appointments](#)

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