



April 2022

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:

I was going to write an enthusiastic message: after two years of a long nightmare, we were finally seeing light at the end of the tunnel.

Unfortunately, while we all were going to consider the worst pandemic of these latter centuries being over, we have been shocked with a war that, unlike many other wars, unfortunately, going on is raising a concrete fear of a global conflict and that has even brought in the actuality the thoughts of nuclear weapons.

All this put on the side for a moment, let's focus on science and technology for the advancement of the human being as it is in our mission and, in particular, on Instrumentation and Measurement that is our focus.

The IEEE Instrumentation and Measurement Society continues to work hard to offer the best possible services to our valued members.

In 2022, we are starting again with "in-person" conferences that, from my point of view, is by far the main reason to organize scientific conferences because of the enormous value of person-to-person interaction in the advance of knowledge and science.

In the meanwhile, we also have improved the "soft" services to our members with Video tutorials and our Magazine.

Our flagship journals are demonstrating the vast interest of I&M findings, as they are now steadily improving their bibliometric performances.

Talking about journals I would like to welcome the new Editor in Chief for our [Transactions on Instrumentation and Measurement](#) (IEEE TIM), prof. Ruqiang Yan. I'm sure that under his guidance our flagship Journal will reach even higher targets than ever before.

Let me thank and recognize here our past IEEE TIM Editor in Chief, prof. Shervin Shirmohammadi, for his outstanding service to our society and our members. Prof. Shirmohammadi is now leading our gold open access journal, [IEEE Open Journal of Instrumentation and Measurement](#) (OJIM) which I'm confident will soon become your favorite venue for open access publications in the field of instrumentation and measurement.

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.

Overall, we will continue working with the highest commitment for the benefit of our Society and our members, but WE NEED YOU and the active involvement of each of our members in the I&M Society. Join our Chapters, start 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, each I&M member is encouraged to be an active part of our 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 in the Society AdCom with your ideas, proposals or even criticisms; do not hesitate to email us if you want to communicate.

Looking forward to seeing you around.

Ciao,
Salvo Baglio
IEEE I&M Society President
2020-2022

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!

Meet the AdCom

Yuri Catunda, AdCom Member-at-Large and VP Conferences

"Be persevering and work with quality to overcome difficulties and achieve your goals."

Follow the link below to read Yuri's interview.

[Read Here](#)



I&M Society Featured News

[I&M Society Call for Award Nominations – Submission Deadline 1 August](#)

[OJIM 2022 Special Sections - Call for Papers](#)

I&M Membership News

Report from IMS WIE Liaison Ferdinanda Ponci

Dear IMS Members,

The IEEE Women in Engineering 25th anniversary celebrations, presents the Extraordinary Women Extraordinary Science Seminar Series. Among the outstanding speakers, you will find Alessandra Flammini, talking about the hot frontier topic "Distributed measurements and IoT."

[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](#)

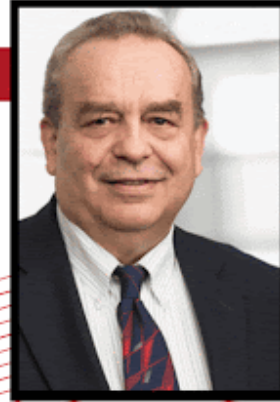
I&M Awards News

Call for 2022 Society Award Nominations

Instrumentation & Measurement Society 2021 Career Excellence Award

Emil Petriu

"For a career dedicated to academic research, engineering education, industry R&D, training and mentorship in the field of intelligent sensors, and for outstanding and continuous service to I&M society's conferences, journal, technical committees, and Administrative Committee."



Nominate Someone Today!

IEEE Instrumentation & Measurement Society
iee-ims.org/awards/society-awards



Nominations for the 2022 IMS Society Awards are open!

The deadline for nominations is 1 August 2022.

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](#)

Best Application Award

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

I&M Publications News

IEEE OJIM 2022 Special Sections

IEEE OJIM announces the following Special Sections (SS) on current hot topics with a deadline of **1 June 2022**.



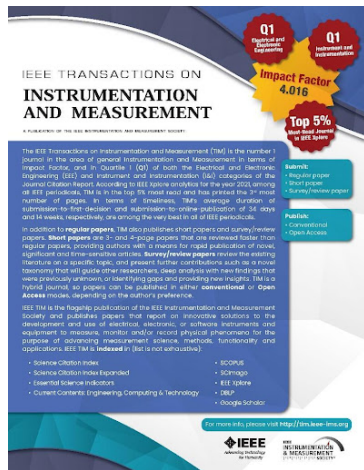
- ***Artificial Intelligence for Machine Fault Diagnosis** | [Call for Papers](#)
- ***Smart Energy Systems** | [Call for Papers](#)
- ***Advances in Tomography for Industrial and Medical Applications** | [Call for Papers](#)
- ***Recent Advances in Medical, Biomedical, and Healthcare Measurements** | [Call for Papers](#)

Accepted SS papers will receive Open Access Fee waivers; i.e, they can publish in OJIM for free (overlength is still charged).

For more information or submission instructions, please follow the link below.

Visit the OJIM Website

Download the OJIM Flyer



IEEE TIM is the Number One (#1) 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 the Google H-5 index! 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](#).

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 Society is proud to offer the [I&M Video Tutorials Program](#) to I&M members. 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 - 2022 VDL Webinars

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 is continuing its IEEE IMS Virtual Distinguished Lecturer Webinar Program during 2022. Information about the 2022 webinars, including upcoming and past talks, can be found here: <https://iee-ims.org/2022-ieee-ims-virtual-distinguished-lecturer-webinars>

If you missed any of the talks in our previous VDL series, recordings are available on our website! More information here: <https://iee-ims.org/presentations/row>

For questions or concerns, please contact the DLP Chair, Kristen Donnell, at kristen.donnell@mst.edu.

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 **Marco Parvis**, VP Technical and Standards Activities, at marco.parvis@polito.it 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](#).

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 this year, 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 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 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 02 March 2022, 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 I2MTC 2022

Ottawa, Canada | 16-19 May 2022



[Conference Website](#)

IEEE CIVEMSA 2022

Chemnitz, Germany | 15-17 June 2022



[Conference Website](#)

IEEE IST 2022 (IEEE International Conference on Imaging Systems and Techniques)

HYBRID – Kaohsiung, Taiwan | 21-23 June 2022



[Conference Website](#)

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

Messina, Italy | 22-24 June 2022



[Conference Website](#)

IEEE M&N 2022 (IEEE International Symposium on Measurements and Networking)

Padua, Italy | 18-20 July 2022



[Conference Website](#)

IEEE SAS 2022 (IEEE Sensors Applications Symposium)

Sundsvall, Sweden | 1-3 August 2022



[Conference Website](#)

IEEE AUTOTESTCON 2022

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

[Conference Website](#)

Technically Co-Sponsored Conference Listing**IEEE 19th International Multi-Conference on Systems, Signals & Devices (IEEE SSD 2022)**

Setif, Algeria | 6-10 May 2022

[Visit Conference Website](#)**IEEE International Conference on Smart Grid Synchronized Measurements and Analytics (IEEE SG SMA 2022)**

Split, Croatia | 24-26 May 2022

[Visit Conference Website](#)**IEEE International Workshop on Metrology for Living Environment (IEEE MetroLivEnv 2022)**

Cosenza, Italy | 25-27 May 2022

[Visit Conference Website](#)**IEEE International Workshop on Metrology for Industry 4.0 & IoT (MetroInd4.0&IoT)**

Trento, Italy | 7-9 June 2022

[Visit Conference Website](#)**IEEE 9th International Workshop on Metrology for AeroSpace (MetroAeroSpace 2022)**

Pisa, Italy | 27-29 June 2022

[Visit Conference Website](#)

IEEE International Workshop on Metrology for Automotive (IEEE MetroAutomotive 2022)

Modena, Italy | 4-6 July 2022

[Visit Conference Website](#)

IEEE 6th International Symposium on Instrumentation Systems, Circuits and Transducers (IEEE INSCIT 2022)

Virtual | 22-26 August 2022

[Visit Conference Website](#)

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

Beijing, China | 5-8 September 2022

[Visit Conference Website](#)

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

Rome, Italy | 26-28 October 2022

[Visit Conference Website](#)

IEEE International Symposium on Sensing and Instrumentation in 5G and IoT Era (IEEE ISSI 2022)

Shanghai, China | 17-18 November 2022

[Visit Conference Website](#)

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.

[2022 I&M Officers](#)

[I&M AdCom Members](#)

[Additional AdCom Appointments](#)

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