

## Short report about Instrumentation and Measurement Society's initiatives and sponsored events

### Initiatives

#### Video tutorials:

5 more video tutorials were added recently taking the total numbers from 8 to 13. We are actively seeking new proposals for 2017/2018. The tutorials can be accessed on IMS website: <http://iee-ims.org/evts/tutorials> and on the IEEE TV: <https://ieeetv.ieee.org/channels/ims>

#### Industry Track:

Two Industry Day Sessions were held at I2MTC 2017 in Torino, Italy.

- Each session had an "Invited Talk"
- Each session had 4 papers
- Industry papers limited to less than 3 pages
- First/corresponding author must be from industry
- Not submitted for publication in IEEE Xplore

#### Young Professionals, Student Members and Women in Instrumentation and Measurement:

- (a) Graduate Student Panel discussion at I2MTC 2017 on the topic "Future of instrumentation and measurements".

The discussion covered some of the following points:

- I. Emerging field of applications: for instance, smart grids, LTE communication technologies, robotics, renewable energy resources
- II. New software/hardware tools: for instance, open source and licensed new software platforms, FPGAs, real time units.
- III. New mathematical approaches. Algorithms for compressive sensing, artificial intelligence.

- (b) WIM Panel at I2MTC 2017.

The Women in Instrumentation and Measurement (WIM) Panel Discussion is an opportunity for conference attendees to address and discuss issues, concerns and professional topics to continually support the needs of female members working in the field of instrumentation and measurement.

- (c) IMS student members will be given the first priority for Student Travel Grants

#### TC:

The list of IMS TCs is available at <http://iee-ims.org/technical-committees>. Total 20 TCs. TCs are being promoted as the I&M Society's "Centres of Expertise". It is important for the

TCs to be linked to other I&M Society functions, such as conference special sessions, and providing nominations for Distinguished Lecturers and the IMS Graduate Fellowship grants.

**IEEE International Sensors and Measurement Systems Student Contest (IEEE IS&M-SC)**

This international competition addresses Master’s and Ph.D. students and aims to stimulate submissions of innovative ideas for applications in the area of sensors and measurement systems.

The 2017-2018 IEEE International Contest of Sensors and Measurement Systems is jointly promoted and organized by IEEE Instrumentation and Measurement Society (IMS) and IEEE Sensors Council (SC) and is sponsored by STMicroelectronics. STMicroelectronics will provide to each team selected one SensorTile® kit plus two SensorTile “Core System” ([www.st.com/sensortile](http://www.st.com/sensortile)), which will be the common platform to be used to develop the proposed project.

Participating members of teams selected will develop their application in their University laboratories and will have to attend one of the live demonstration sessions that are planned in three different venues co-located with international conferences in the areas of sensors and measurement systems. For each demonstration event, two awards will be assigned (1st and 2nd place) for the best “Sensors and Measurement Systems” application.

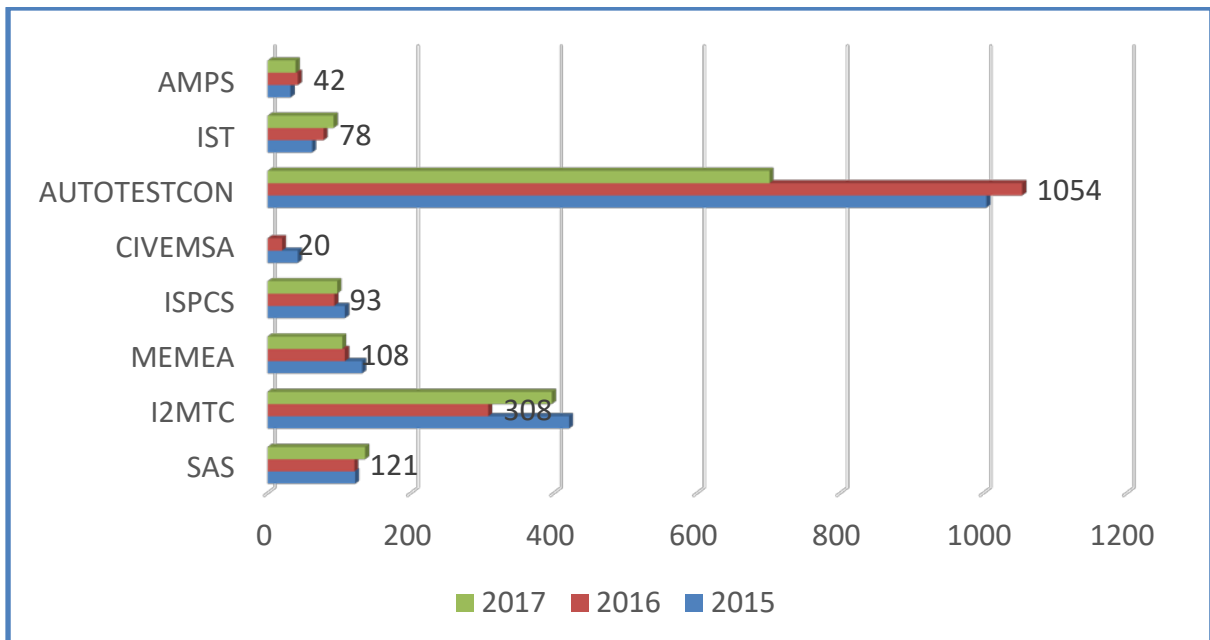
**Workshops, Symposia and Conferences:**

IMS sponsors several workshops, symposia and conferences, all related to the field of instrumentation and measurement ( <http://ieee-ims.org/conferences-list/upcoming> )

The 2017/2018 editions are:

Sponsored Conferences		
Title	Location	Conference Date
2017 IEEE International Conference on Imaging Systems and Techniques (IST)	Beijing, China	2017-10-18 to 2017-10-20
2017 IEEE International Symposium on Haptic Audio-Visual Environments and Games (HAVE)	United Arab Emirates	2017-10-22 to 2017-10-23
2018 IEEE Sensors Applications Symposium (SAS)	South Korea	2018-03-12 to 2018-03-14
2018 IEEE International Instrumentation & Measurement Technology Conference (I2MTC)	United States	2018-05-14 to 2018-05-17
2018 IEEE International Symposium on Medical Measurements & Applications (MeMeA)	Italy	2018-06-11 to 2018-06-13

Technical Co-Sponsored Conferences		
Title	Location	Conference Date
Nanotechnology for Instrumentation and Measurement Workshop (NANOfIM 2017)	India	2017-11-16 to 2017-11-17
11th International Conference on Sensing Technology (ICST 2017)	Australia	2017-12-04 to 2017-12-06
3rd International Conference on Microwave and Photonics (ICMAP 2018)	India	2018-02-09 to 2018-02-11
5th IEEE International Workshop on Metrology for AeroSpace	Italy	2018-06-20 to 2018-06-22



**AMPS** (Int. Workshop on Applied Measurements for Power Systems)

**IST** (Int. Conference on Imaging Systems and Techniques)

**AUTOTESTCON**

**CIVEMSA** (Computational Intelligence and Virtual Env. for Meas. Systems and App)

**ISPCS** (International IEEE Symposium on Prec. Sync. for Meas., Control and Communication)

**MeMeA** (Medical Measurements and Applications)

**I2MTC** (International Instrumentation and Measurement Technology Conference)

**SAS** (Sensors Application Symposium)