

PROGRAM SCHEDULE – Tutorials – Monday Morning, May 14, 2018

Room	Champions I – II	Champions III	Champions V	Champions VI – VII	Founders III	Founders IV
8:00 – 18:20	<i>Registration</i> Room: Legends Prefunction					
9:00 – 10:20	Methodology of Measurement <i>Dario Petri</i>	A Survey of Directional Drilling Sensor Module Calibration Techniques <i>Marius Gheorghe</i>	Signal Acquisition from Conversion to Compression <i>Asma Maalej, Manel Ben-Romdhane, and Dominique Dallet</i>	Harmonics and Revenue Metering <i>Andrew Berrisford</i>	I&M Society Chapter Summit <i>By Invitation Only</i>	TC-39 Meeting <i>By Invitation Only</i>
10:20 – 10:40	<i>Break</i> Room: Champions Prefunction					
10:40 – 12:00	Measurement Uncertainty Quantification <i>Daniel Watzening</i>	Advances in Productivity Enhancement Techniques for Inertial Sensors Calibration and Testing <i>Marius Gheorge and Rodrigo Barajas Ruiz</i>	Frequency Domain Sine-wave Parameter Estimation <i>Dominique Dallet and Daniel Belega</i>	Fiber-Optic Sensing for Power and Energy Industries <i>Pawel Niewczas</i>	I&M Society Chapter Summit <i>By Invitation Only</i>	TC-39 Meeting <i>By Invitation Only</i>
12:00 – 13:20	<i>Lunch</i> Room: Legends Ballroom					

PROGRAM SCHEDULE – Tutorials – Monday Afternoon, May 14, 2018

Room	Champions I – II	Champions III	Champions V	Champions VI – VII	Founders III	Founders IV
13:20 – 14:40	<p align="center">The Measurement and Application of Permittivity <i>Phil Bartley</i></p>	<p align="center">eNose: Review of Commercial Products, Feature Extraction, Classification Techniques and Applications <i>Jose Pelegri-Sebastia and Jose Chilo</i></p>	<p align="center">Emerging 5G and IoT: Fundamentals and Applications <i>Octavia A. Dobre and Octavian Postolache</i></p>	<p align="center">Oilfield Sensors and Measurements, Part 1 <i>Max Deffenbaugh, Weichang Li, Sebastian Csutak, and Miguel Gonzalez</i></p>	<p align="center">I&M Society Chapter Summit <i>By Invitation Only</i></p>	<p align="center">TC-39 Meeting <i>By Invitation Only</i></p>
14:40 – 15:00	<p align="center"><i>Break</i> Room: Champions Prefunction</p>					
15:00 – 16:20	<p align="center">The Measurement of Single-Photon Level Optical Signals using Linear-Mode or Run-Away Avalanche Gain <i>Edward Fisher</i></p>	<p align="center">Design and Characterization of Measurement Systems Based on Drones <i>Francesco Picariello and Luca De Vito</i></p>	<p align="center">Distributed and Collaborative Measurement Systems: A Glimpse Into the Future <i>Luca Lombardo and Marco Parvis</i></p>	<p align="center">Oilfield Sensors and Measurement, Part 2 <i>Max Deffenbaugh, Weichang Li, Sebastian Csutak, and Miguel Gonzalez</i></p>	<p align="center">I&M Society Chapter Summit <i>By Invitation Only</i></p>	<p align="center">TC-39 Meeting <i>By Invitation Only</i></p>
16:20 – 17:00	<p align="center"><i>Young Professionals Get-Together</i> Room: Legends Prefunction</p>					
17:00 – 18:20	<p align="center"><i>Plenary Panel</i> Instrumentation and Measurements in the World of Startups and Small Businesses: a roundtable on opportunities and success stories Room: Discovery Center AB</p>					
18:20 – 20:40	<p align="center"><i>Welcome Party & YP Reception</i> Room: Legends Prefunction</p>					

PROGRAM SCHEDULE – Tuesday Morning, May 15, 2018

Room	Champions I – II	Champions III	Champions V	Champions VI – VII	Founders I – II	Founders III	Founders IV	Speakers Room	Summit
8:00 – 18:20	<i>Registration</i> Room: Legends Prefunction								
8:20 – 8:40	<i>Opening Ceremony</i> <i>Welcome speech by Joseph Tedesco, Dean of Cullen College of Engineering</i> Room: Discovery Center AB								
8:40 – 10:00	<i>Keynote Speaker – Upendra N. Singh, NASA Technical Fellow</i> Room: Discovery Center AB								
10:00 – 10:20	<i>Break</i> Room: Legends Ballroom								
10:00 – 18:20	<i>Exhibits Open</i> Room: Legends Ballroom								
10:20 – 12:00	Tue-1A Measurement Systems and Methods for Medical, Biomedical and Healthcare	Tue-1B Sensors and transducers	Tue-1C Signal processing techniques in measurement	Tue-1D SS: Instrumentation and measurement for improving quality, reliability and safety: new perspectives for research and industry	Tue-1E SS: Progresses on methodologies and devices for Energy Harvesting in autonomous or quasi-autonomous Sensors and Transducers	Industry Day Oral Session	TC-39 Meeting By <i>Invitation Only</i>	DL Selection By <i>Invitation Only</i>	
12:00 – 13:20	<i>Lunch</i> Room: Legends Ballroom								

PROGRAM SCHEDULE – Tuesday Afternoon, May 15, 2018

Room	Champions I – II	Champions III	Champions V	Champions VI – VII	Founders I – II	Founders III	Founders IV	Speakers Room	Summit
13:00 – 15:00									TIM Associate Editor Meeting <i>By Invitation Only</i>
13:20 – 14:40							TC-39 Meeting <i>By Invitation Only</i>	DL Selection <i>By Invitation Only</i>	
<i>Keynote Speaker – Mojtaba Fallahpour, J Barry Oaks Presentation</i> Room: Discovery Center AB									
14:40 – 15:00	<i>Break</i> Room: Legends Ballroom								
15:00 – 16:40	Tue-2A Measurement Systems and Methods for Medical, Biomedical and Healthcare	Tue-2B Sensors and transducers	Tue-2C SS: Health Monitoring Standardization and Implementation for Sensor Networks and Internet of Things (IoT)	Tue-2D SS: Instrumentation and measurement for improving quality, reliability and safety: new perspectives for research and industry	Tue-2E Image Processing Techniques in Measurement	Industry Day Oral Session	TC-39 Meeting <i>By Invitation Only</i>	Video Tutorial Recording <i>By Invitation Only</i>	TC Chairs Meeting <i>By Invitation Only</i>
16:40 – 18:20									
16:40 – 18:20	<i>Poster Session & IEEE Sensor and Measurement Student Contest</i> Room: Legends Ballroom								

PROGRAM SCHEDULE – Wednesday Morning, May 16, 2018

Room	Champions I – II	Champions III	Champions V	Champions VI – VII	Founders I – II	Founders III	Founders IV	Speakers Room
8:00 – 18:20	Registration Room: Legends Prefunction							
8:20 – 9:40	<i>Keynote Speaker – David W. Allan</i> Room: Discovery Center AB							
9:40 – 10:00	<i>Award Ceremony</i> Room: Discovery Center AB							
10:00 – 10:20	<i>Break</i> Room: Legends Ballroom							
10:00 – 18:20	<i>Exhibits Open</i> Room: Legends Ballroom							
10:20 – 12:00	Wed-1A Measurement Systems and Methods for Medical, Biomedical and Healthcare	Wed-1B Data Acquisition Systems and Real-Time Measurement Systems	Wed-1C Measurement for Energy and Power	Wed-1D SS: Non-Invasive Measurement Methods, Systems and Instrumentation	Wed-1E SS: Advanced Measurement and Data Processing for Complex Engineering System Health Monitoring	Student Panel	WIM Panel	
12:00 – 13:20	<i>Lunch</i> Room: Legends Ballroom							

PROGRAM SCHEDULE – Wednesday Afternoon, May 16, 2018

Room	Champions I – II	Champions III	Champions V	Champions VI – VII	Founders I – II	Founders III	Founders IV	Speakers Room	
13:20 – 14:40							TC-10 Meeting <i>By Invitation Only</i>		
13:20 – 14:40	<p align="center"><i>Plenary Panel</i> Instrumentation & Measurement Expert Panel – New Horizons, Needs, Challenges and Outlooks Room: Discovery Center AB</p>								
14:40 – 15:00	<p align="center"><i>Break</i> Room: Legends Ballroom</p>								
15:00 – 16:40	<p align="center">Instrumentation & Measurement Expert Panel – Discussion & Dialogue Room: Discovery Center AB</p>								
15:00 – 16:40	<p align="center"><i>Poster Session</i> Room: Legends Ballroom</p>								
15:00 – 16:40							TC-10 Meeting <i>By Invitation Only</i>	Video Tutorial Recording <i>By Invitation Only</i>	
16:40 – 17:40	Wed-2A Measurement for Aerospace	Wed-2B Data Acquisition Systems and Real-Time Measurement Systems	Wed-2C Measurement for Energy and Power	Wed-2D SS: Non-Invasive Measurement Methods, Systems and Instrumentation	Wed-2E SS: Recent advances in photonics sensing technology: sensors, instrumentations, measurements and applications	I2MTC 2019 Planning Meeting <i>By Invitation Only</i>			
17:40 – 18:20						I2MTC 2020 Planning Meeting <i>By Invitation Only</i>			
18:20 – 19:00	Bus Transfer to Gala Dinner								
19:00 – 22:40	Gala Dinner – Houston Museum of Natural Science								
22:40 – 23:00	Bus Transfer to Royal Sonesta Hotel								

PROGRAM SCHEDULE – Thursday Morning, May 17, 2018

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8:00 – 18:20	Registration Room: Legends Prefunction						
8:20 – 9:40	Industry-University Cooperative Research Centers in Instrumentation and Measurement Technology: opportunities from the National Science Foundation <i>Keynote Speaker – Dmitri Perkins</i> Followed by Panel Discussion and presentation of the BRAIN IUCRC Room: Discovery Center AB						
9:40 – 10:00	I2MTC 2019 Presentation Room: Discovery Center AB						
10:00 – 18:20	Exhibits Open Room: Legends Ballroom						
10:00 – 10:20	Break Room: Legends Ballroom						2018 Wrap-Up Meeting <i>By Invitation Only</i>
10:20 – 11:20				Thu-1D SS: Measurement in Industrial Applications – Intelligent Manufacturing System (IMS) using smart sensors, smart machinery and industrial internet of things			
11:20 – 12:00	Thu-1A SS Measurements for Modern Networks and Telecommunication Systems	Thu-1B Measurement in industrial applications and Industry 4.0	Thu-1C Measurement Theory and Metrology		Thu-1E Advances in modern instrumentation	BRAIN Meeting	I2MTC Board of Directors Meeting <i>By Invitation Only</i>
12:00 – 13:20	Lunch Room: Legends Ballroom						

PROGRAM SCHEDULE – Thursday Afternoon, May 17, 2018

Room	Champions I – II	Champions III	Champions V	Champions VI – VI	Founders III	Founders I – II	Founders IV
13:20 – 14:40	<p align="center"><i>Keynote Speaker – Aydin Babakhani, UCLA</i> Room: Discovery Center AB</p>					BRAIN Meeting	I2MTC 2018 Board of Directors Meeting <i>By Invitation Only</i>
14:40 – 15:00	<p align="center"><i>Break</i> Room: Legends Ballroom</p>						
15:00 – 16:00	Thu-2A SS: Optical fiber sensors in measurement systems and their application	Thu-2B Micro and Nanotechnology in Instrumentation and Measurement	Thu-2C Non-invasive Measurement Methods and Systems	Thu-2D Optical Measurement Systems, Fiber Optic Measurements	Thu-2E SS: Healthcare in Smart Cities	BRAIN Meeting	IMS AdCom <i>By Invitation Only</i>
16:00 – 16:40							
16:40 – 18:20	<p align="center"><i>Poster Session</i> Room: Legends Ballroom</p>					BRAIN Meeting	
18:20 – 18:40	<p align="center"><i>Closing Ceremony</i> Room: Discovery Center AB</p>						