

# CALL FOR PAPERS

May 6-9, 2013 | Minneapolis, MN | The Depot

# "Instrumentation and Measurement for Life"



#### General Co-Chairs:

Max Cortner,  
Boston Scientific, IMS Twin Cities Chapter, USA

Reza Zoughi,  
Missouri University of Science and Technology, USA

#### Technical Program Co-Chairs:

Dr. Sergey Kharkovsky,  
University of Western Sydney, Australia

Professor Dario Petri,  
University of Trento, Italy

Jeff Paulson,  
Boston Scientific, IMS Twin Cities Chapter, USA

#### Local Arrangement Chair:

Steve Petermann, IMS Twin Cities Chapter, USA

#### Exhibits Chair:

Roger Montague, IMS Twin Cities Chapter, USA

#### Tutorials Chair:

Lee Globus, IMS Twin Cities Chapter, USA

#### Institutional Outreach Chair:

Kyle Iverson, IMS Twin Cities Chapter, USA

#### Publications and Conference Management:

Conference Catalysts, LLC

## Important deadlines are:

#### October 1, 2012

Deadline for submission of extended abstracts.

#### December 1, 2012

Notification of authors of paper acceptance.

#### March 1, 2013

Deadline for camera-ready papers.

## Special Sessions

Special Sessions will provide comprehensive discussion of today's hot topics in instrumentation and measurement:

RFID Research in the Areas of Instrumentation and Measurement \* Emerging Methods for Measuring, Modeling, and Instrumentation in Medical Applications \* Millimeter Wave and Terahertz: Devices, Methods, Applications, and Measurements \* Wireless Sensors Networks for Assisted Living \* Technology Transfer Session & Panel Discussion \* Wireless Instrument Techniques for Medical Applications \* RF/Microwave Materials Characterization \* Porous Media Measurements

## 2013 IEEE International Instrumentation and Measurement Technology Conference

I<sup>2</sup>MTC 2013 spans research, development, and applications in the field of instrumentation and measurement science and technology. Medical and life science applications will be the 2013 emphasis. The conference includes **Industrial Tracks** where research can merge with the practical applications of industrial technology used every day, to foster the exchange of know-how between industry and academia.

Paper contests will be held including a Conference Best Paper Award as well as Student Best Poster Awards, with cash awards for best papers/posters.

We are seeking presentations and papers to explore topics related to the instrumentation and measurement aspects of Advances in Instrumentation and Measurement Developments and Techniques \* Biomedical Systems \* Data Acquisition Systems and Techniques \* Energy and Power Systems \* Industrial Process Control \* Measurement and Instrumentation for Industrial Applications \* Measurement Applications \* Measurement of Electric and Magnetic Quantities \* Measurement of Materials and Mechanical Quantities \* Measurement, Instrumentation and Methodologies Related to Healthcare Systems \* Measurement Systems and Theory \* Medical Instrumentation \* Non-invasive Measurement Techniques and Instrumentation \* Real-Time Measurement \* Robotics and Controls \* Sensors and Sensor Fusion \* Signal & Image Processing Techniques \* Software Development for Measurement and Instrumentation Support \* Techniques related to Instrumentation \* Transducers \* Virtual Measurement Systems \* Wireless Sensors and Systems.

Given that the 2013 conferences theme is "**Instrumentation and Measurement for Life**" we strongly encourage submissions in the areas of medical, biomedical and healthcare instrumentation, measurement, system development and recent advances.

Prospective authors are invited to submit extended abstracts (3-4 pages) via the I<sup>2</sup>MTC conference website <http://imtc.ieee-ims.org>. The abstract should report on original research results of theoretical or applied nature and should explain the significance of the contribution to the research field. The manuscripts must be prepared according to guidelines provided on the I<sup>2</sup>MTC website.

The extended abstracts will be reviewed by the Technical Program Committee. All papers presented at the conference will be published in the **Conference Proceedings** and via **IEEE Xplore**.

In addition to papers, the conference will also have **Tutorials** and **Exhibits** covering the entire range of instrumentation and measurement technology.

We seek company sponsors to partner with us to bring instrumentation closer to those who use this exciting technology.