



RADCOM 2013

Radar, Communication and Measurement

April, 24 - 25, 2013 - Hamburg

Workshop - Developer Forum - Exhibition

Call for Papers

In April 2013 the next RADCOM will take place again at the Helmut Schmidt University in Hamburg.

The RADCOM is a highly recognized event in Northern Germany - incorporating Workshop, R&D-Forum and Table-Top Exhibition with more than 25 exhibitors - giving up-to-date information, cutting-edge tutorials and presentations on Wireless Communication, Sensing and Measurement Techniques.

The RADCOM 2013 will be supported by the German Chapter of the IEEE Instrumentation and Measurement Society.

The goal of the workshop in combination with the table-top-exhibition is to give a survey on current technologies, methodologies and development tools of competitive products for Radar, communications and measurement applications. Valuable information will be given on diverse system approaches, pitfalls and how they can be circumvented. Tutorials facilitate the entrance into the subject areas, which will be *complemented by talks to specific topics.*

Supported by:



HELMUT SCHMIDT
UNIVERSITÄT
Universität der Bundeswehr Hamburg



Venue

Helmut Schmidt University
Holstenhofweg 85
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Topics

RF Instrumentation & Measurement Techniques

- Test and Measurement Solutions for RF/MW and Wireless Systems
- Realtime Signal & Spectrum Analysis, RF Signal Generation
- Network Analysis, EMC & Field Strength Test Solutions

Instrument Control and Connectivity Solutions

- Automated Test & Diagnostics Systems
- Instrument Control Systems & Architectures
- Virtual Measurement Systems
- Distributed Measurement Systems
- LXI/PXI/VXI based Hard- & Software Solutions
- Programmable Automation, Logic and Safety Controller

Wireless Automation and M2M Communication

- Wireless Standards (e.g. 802.11, 802.15.4, Bluetooth Low-Energy, WirelessHART, Zigbee)
- Wireless Sensor Networks for Building, Factory and Process Automation Applications
- Hard- and Software Platforms for Embedded RF Solutions
- Energy Monitoring and Smart Metering, Energy Harvesting and Energy-Efficient Design
- Wireless Network Security, Security in Industrial Networks, Intrusion Prevention Systems, Wireless Security Best Practices
- Data Gathering, Transport, Storage, Retrieval, Mining and Dissemination

Radar Hardware, Signal Processing and Configurations

- Advanced Radar Data Processing and Diversity Techniques,
- Reconfigurable Radar Front-Ends
- Network and MIMO Radars, Multifunctional Systems (Communications, Radar and Positioning)
- Digital Beamforming, Waveform Diversity, High-Resolution Processing
- Radar Applications (Defence and Security, Environment, Medical and Automotive Applications)

Software Reconfigurable Systems

- Reconfigurable RF Circuits and Radar Front-Ends
- Software Defined Radio Systems
- Cognitive Radio
- Embedded Software Engineering

Data Acquisition and Analysis

- Inverse Problems and Signal Reconstruction
- Imaging and Sensor Data Classification
- Realtime Signal Analysis and Processing
- Sensor Data Fusion

Paper Submission Deadline

March, 1, 2013

Please send your submissions to papers@gerotron.com

INCLUDING

the following information:
author/s, speaker/s, title/s,
length, short abstract.

Please also indicate the
language of your oral
presentation, German or English.

Review

Submissions will be reviewed
by the technical program
committee.

Accepted Papers

Notification of paper
acceptance will be sent to the
authors no later than
March, 8, 2013

Abstracts - Workshop-CD

Presentation slides will be
published in electronic form on
CD-ROM and will be available
at the conference site.

Please send your slides
as pdf-files to

papers@gerotron.com

no later than

April, 1, 2013

Exhibition Organisation:

