9th Global Symposium on Millimeter Waves GSMM2016 7th ESA Workshop on Millimetre-Wave Technology and **Applications**

June 6-8, 2016, Aalto University, Espoo, Finland

IMPORTANT DATES

February 15, 2016 Paper (2-4 pages) submission: March 15, 2016 Acceptance notification: **April 15, 2016** Final paper (2-4 pages) submission:

PREPARATION OF PAPERS

All submitted papers will be reviewed by the technical program committee of the conference and the papers that are found to be consistent with the required formats and content will be submitted to IEEE Xplore. Detailed submission instructions can be found at the conference web pages gsmm2016.aalto.fi.

The main theme of the joint conference is MILLIMETER-WAVE AND TERAHERTZ SENSING AND **COMMUNICATIONS. It covers millimeter-wave and** THz antennas, circuits, devices, systems and applications.

The joint conference will be composed of keynote speeches, technical sessions, panels, and exhibitions in the following (but not limited to) topics listed beside.

ORGANIZING COMMITTEE

General Chair

Prof. Antti Räisänen, Aalto University

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Prof. Chi Hou Chan, City University of Hong Kong Dr. Ronald Ginley, NIST, USA

TOPICS

Millimeter-Wave Antennas and Passive Devices

Antennas and propagation

Waveguides (DRWs, SIWs etc.), components and their integration Filters and transmission lines

Phased array antennas

Substrates and packaging (LTCC, LCP etc.)

Millimeter-Wave Active Devices and ICs

Devices, MMICs, PAs, LNAs, mixers, multipliers, VCOs, detectors Technologies, HEMT, CMOS, HBT, GaN, BiCMOS (SiGe), Schottky, HBV On-wafer and advanced measurements

Millimeter-Wave and THz Sensing

Instruments for radio astronomy Radar and remote sensing Earth observation, ESA MetOp SG Millimeter-wave and THz imaging Millimeter-wave and THz systems and sub-systems

Millimeter-Wave and THz Communications

Wireless LANs and PANs 5G wireless communications Backhaul for 4G/5G small cells Wireless access systems Satellite communications Millimeter-wave energy transfer Millimeter-wave system-on-chip

Sub-Millimeter-Wave and THz Technologies

Sub-millimeter-wave and THz devices and systems Integration technologies

Emerging Technologies

Millimeter-wave and THz biomedical applications Millimeter-wave and THz nano-electronic devices New materials (graphene, CNT, nanowires etc.) Nanostructured devices, circuits and antennas

COLLABORATION







Aalto University







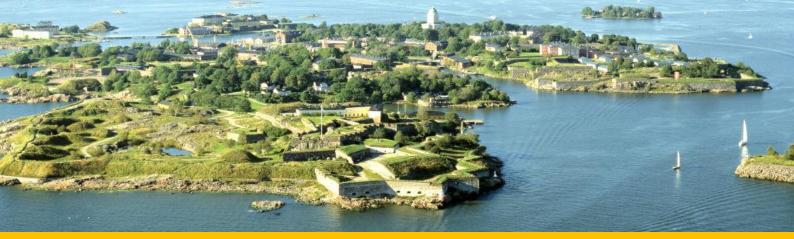












Conference Venue and Dinner

The conference will be held in Espoo, Finland on June 6th - 8th 2016. The venue is the main building of Aalto University, close to VTT Technical Research Centre of Finland and Millilab. This nice seaside campus area is situated about 10 km from downtown Helsinki and about 25 km from Helsinki airport.

Conference Dinner will be held at Restaurant Walhalla in Sea Fortress Suomenlinna (one of Unesco's world heritage site), which we will reach by a boat cruise from the conference venue.

Keynote Speakers

Michael Brandt, RPG Radiometer Physics GmbH, Germany

Songcheol Hong, Korea Advanced Institute of Science and Technology (KAIST), Republic of Korea

Arttu Luukanen, Asqella Ltd., Finland

Joachim Oberhammer, KTH Royal Institute of Technology, Sweden

Vladimir V. Parshin, Institute of Applied Physics RAS, Russia

Jyri Putkonen, Nokia Corporation, Finland

Michael Schlechtweg, Fraunhofer Institute for Applied Solid State Physics (IAF), Germany

Michael Shur, Rensselaer Polytechnic Institute, USA

Andreas Stöhr, University of Duisburg-Essen, Germany

Kazuaki Takahashi, Panasonic Corporation, Japan

Ke Wu, Ecole Polytechnic Montreal, Canada

Herbert Zirath, Chalmers University of Technology, Sweden

Please visit gsmm2016.aalto.fi/keynote.html for titles and abstracts.

Awards

EuMA sponsors two awards for outstanding papers in the conference. The Best Paper Award and the Best Student Paper Award will be handed out in the closing session.

Registration and Accommodation

On-line registration is available through conference web pages gsmm2016.aalto.fi/registration.html.

Registration fee

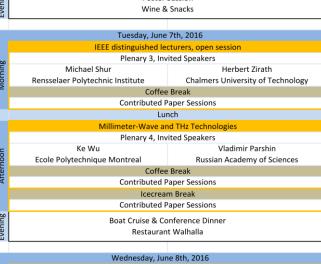
- 400 EUR for on-line registrations before May 15th 2016.
- 500 EUR for on-site and on-line registarion after May 15th 2016.

Accommodation is available in a hotel in the Campus area and in abundance in the Helsinki Downtown. Please visit conference web pages gsmm2016.aalto.fi/location.html for a list of suggested hotels.



Preliminary Program

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	Monday, June 6th, 2016		
Morning	Registration		
	Opening		
	Millimeter-Wave and THz Communications and Sensing		
	Plenary 1, Invited Speakers		
	Jyri Putkonen	Joachim Oberhammer	
	Nokia Corporation	KTH Royal Institute of Technology	
	Coffee Break		
	Contributed Paper Sessions		
	Lunch	Lunch	
Afternoon	Millimeter-Wave Active Devices and ICs		
	Plenary 2, Invited Speakers		
	Michael Schlechtweg	Andreas Stöhr	
	Fraunhofer IAF	University of Duisburg-Essen	
	Coffee Break		
	Contributed Paper Sessions		
ing	Poster Session		
Evening	Wine & Snacks		
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Tuesday, June 7th, 2016			
	IEEE distinguished lecturers, open session		
	Plenary 3, Invited Speakers		



Coffee Break Contributed Paper Sessions Lunch

Radar and Remote Sensing
Plenary 6 , Invited Speakers

Millimeter-Wave and THz Sensing

Plenary 5, Invited Speakers

Arttu Luukanen

Asgella Ltd

Songcheol Hong

KAIST

Michael Brandt RPG Radiometer Physics GmbH

Kazuaki Takahashi

Panasonic Corporation

Awards & Closing