

MWP 2017 2017 International Topical Meeting on Microwave Photonics

Call for papers

23-26 October 2017, Beijing, China

Scope:

Microwave Photonics (MWP) is an inter-disciplinary field of study that concerns the interactions between microwave and optical waves for the generation, processing, control and distribution of microwave, millimeter-wave and THz-frequency signals. Microwave photonics serves as an enabling technology in a wide variety of applications such as signal generation and distribution, high-speed wireless communication networks, radar systems, sensors, and modern instrumentation. The 2017 International Topical Meeting on Microwave Photonics (MWP 2017) will provide a forum for the presentation of new advances in this multi-disciplinary research area, ranging from novel devices to system field trials.

Topics:

- High-speed optoelectronic devices
- Integrated microwave photonics
- Photonic techniques for microwave signal generation and distribution
- Photonic microwave processing, sensing, and measurements
- THz techniques and applications
- Optical fiber link for digital and analog signal transmission
- Radio over fiber techniques, fiber-wireless communications, and 5G
- Innovative applications of microwave photonics

IMPORTANT DATES:

Paper Submission Deadline: May 30, 2017
Notification of Acceptance: July 15, 2017

Submission Deadline February 1, 2018
Publication: October 2018
Announcing a Special Issue of the IEEE/OSA Journal of Lightwave Technology on: MICROWAVE PHOTONICS

General Co-Chairs

- Shizhong Xie
Tsinghua University, China
- Jianping Yao
Ottawa University, Canada
- Dalma Novak
Pharad, USA
- Beatrice Cabon
INP Grenoble, France

TPC Chair

- Hongwei Chen
Tsinghua University, China

TPC Co-Chairs

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University of Melbourne, Australia
- Jose Capmany
UPV, Spain
- Ken-ichi Kitayama
Osaka University, Japan
- Shilong Pan
NUAA, China

Local Chair

- Kun Xu *BUPT, China*

Local Coordinator

- Yuting Fan *BUPT, China*

Publication Chairs

- Xihua Zou, *SWJTU, China*
- Xue Min, *NUAA, China*

Workshop Chairs

- Ming Li *CAS, China*
- Yitang Dai *BUPT, China*



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CAS



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SWJTU



Conference Venue:

#7 Road Tianchandong, District Chaoyang, National Convention Center, Beijing

Email: secretary@mwp2017.com

<http://www.mwp2017.com>

MWP 2017 2017 International Topical Meeting on Microwave Photonics

Plenary Speakers:



Ke Wu

IEEE Fellow, Fellow of Canadian Academy of Engineering, Fellow of Royal Society of Canada, University of Montreal Canada



John Bowers

IEEE Fellow, OSA Fellow, Fellow of the National Academy of Engineering UCSB USA



Chih-Lin I

Chief Scientist, China Mobile China



Ton Koonen

IEEE Fellow, OSA Fellow, Eindhoven University of Technology The Netherlands

Invited Talks:

Mona Jahary

University of California, Los Angeles (UCLA), USA

Topic/Title: Plasmonic enhanced THz devices

Nikos Karafolas

The European Space Agency (ESA), the Netherlands

Topic/Title: Space application of photonics

Xihua Zou

Southwest Jiaotong University, China

Topic/Title: Microwave Photonics for High-speed Railway Applications: communication, detection and sensing

HwanSeok Chung

Electronics and Telecommunications Research Institute (ETRI), Korea

Topic/Title: R&D and standardization of RoF for 5G

Wangzhe Li

Institute of Electronics Chinese Academy of Sciences, China

Topic/Title: Microwave photonic synthetic aperture radar

Jerome Bourderionnet

Thales Research & Technology, France

Topic/Title: Silicon photonic circuits for RF filtering and LIDAR applications

Xiaoke Yi

University of Sydney, Australia

Topic/Title: Integrated Microwave Photonic Signal Processor

Jonathan Klamkin

University of California, Santa Barbara (UCSB), USA

Topic/Title: 3D hybrid photonic integration

Mike Wale

OCLARO, USA

Topic/Title: Integrated photonic multiwafer processing platforms in Europe and their potential for MWP

Lukas Chrostowski

University of British Columbia, Canada

Topic/Title: Silicon photonics for microwave photonics applications

Toshimasa Umezawa

National Institute of Information and Communications (NICT), Japan

Topic/Title: Ultrafast photo-diode

Juerg Leuthold

Swiss Federal Institute of Technology in Zurich (ETHZ), Switzerland

Topic/Title: Plasmonics

Longfei Shen

JePPIX, the Netherlands

Topic/Title: High-speed membrane-type photodetectors on silicon substrates for wireless communications

Dennis Prather

University of Delaware, USA

Topic/Title: Optically fed phased array antenna system

Luc Augustin

SMART photonics, the Netherlands

Topic/Title: InP based platform for MWP

Antonello Vannucci

Linkra, Italy

Topic/Title: The challenges of Photonic and RF packaging

Industry Forum Component, T&M and System application for Microwave Photonics:

Organizer: Luster LightTech Co., Ltd
Chair/Co-Chair: Dr. Steve Yao/Dr. Tao Zhou/Vincent Wang

Dr. Steve Yao, CTO
General Photonics, USA

Dr. Andreas Umbach, CTO
Finisar, Germany

Dr. Kai Wang
Hefei Institute, China

Dr. Thomas Lee, VP
SHF, Germany

Dr. Tao Zhou, Chief Scientist
Chengdu Institute, China

Dr. K V Reddy, CEO
Pritel, USA

Mr. Hailiang Jin, Director, Product Support

Rohde & Schwarz, Germany

Dr. Yongpeng Zhao, Director
Luster LightTech Co., Ltd. China



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Workshop on integrated microwave photonics:

Jianping Yao

Ottawa University, Canada

Title: Recent advances in Silicon Integrated Microwave Photonics

John Bowers, and Tin Komljenovic

University of California, Santa Barbara (UCSB), USA

Title: Recent advances in Hybrid Integrated MWP

Chris Roeloffzen, and Martijn Heck

LioniX International, The Netherlands

Title: Recent advances in Si₄N₃ Integrated Microwave Photonics

Pascual Muñoz, and Ruben lemany

VLC Photonics, Spain

Title: Recent advances in InP Integrated Microwave Photonics

Ben Eggleton

CUDOS - University of Sydney, Australia

Title: Recent advances in chalcogenide based Integrated Microwave Photonics

Andreas stöhr

University of Duisburg, Germany

Title: Integrated Microwave Photonics for very high frequency operation

Antonello Vanucci

Linkra, Italy

Title: Packaging for MWP PICs

Guillermo Carpintero

Universidad Carlos III de Madrid (UC3M), Spain

Title: Integrated microwave photonics

Ming Li

Institute of Semiconductors, Chinese Academy of Sciences, China

Title: Integrated optical signal processing

Workshop on microwave photonics for 5G:

Liam Barry

Dublin City University, Ireland

Title: Integrated PON and CRAN design for 5G communications

Roberto sabella

Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT), Italy

Title: Architectural considerations for the design of 5G Front and backhaul networks

Nathan Gomes

University of Kent, UK

Title: MWP photonic transmission techniques and components for future 5G communications

Zizeng Cao

Technische Universiteit Eindhoven, The Netherlands

Title: Optical mm-wave beam steering for 5G: integrated circuits and fiber systems

Shilong Pan

Nanjing University of Aeronautics and Astronautics, China

Title: Photonics-based Reconfigurable Array Antenna for 5G communications

Workshop on microwave photonics instrumentation:

Stavros Iezekiel

University of Cyprus, Cyprus

Title: Integrated MWP for high performance instrumentation

Lute Maleki

OE Waves, USA

Title: High quality OEOs for MWP instrumentation

Ashgari, Hossein

Loyola Marymount University, USA

Title: RougeWave Scope and its application in ultrafast optical measurement

Antonella Bogoni

Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT), Italy

Title: Photonic Radars and their application to remote instrumentation and measurement

Nikos.Karafolas

European Space Agency (ESA), The Netherlands

Title: How can MWP be employed in on-board satellite instrumentation?

Avinoam Zadok, and Luc Thevenaz

Bar-Ilan University, Israel

Title: Fiber opto-mechanics: oscillators, crosstalk and sensors

Thomas Schneider

Technische Universität Braunschweig, Germany

Title: Stimulated Brillouin scattering for microwave and optical signal processing

Jinlong Yu

Tianjin University, China

Title: High quality OEOs for distance measurement

Wei Li

Institute of Semiconductors, Chinese Academy of Sciences, China

Title: Optical vector network analyzer

YOFC Workshop on Microwave Photonic Application of Specialty Fibers:

Organizers:

Weijun Tong, Yangtze Optical Fibre and Cable, China

Songnian Fu, Huazhong University of Science and Technology, China

Jianqiang Li, Beijing University of Posts and Telecommunications, China

Qingqing Qi

FiberHome Telecommunication Technologies Co., Ltd, China

Title: Development and Test of Dynamic-Bend-Resistant Fiber Cable for FAST Program

Richard Penty

University of Cambridge, UK

Title: Methods for Transmitting MIMO Radio Signals Over Fibre

Guifang Li

University of Central Florida, USA

Title: Few-Mode Fibers for Microwave Transmission and Processing

Tao Zhou, and Xin Zhong

Southwest China Research Institute of Electronic Equipment, China

Title: The Applications of Dispersion Fibers in Microwave Photonic Signal Generation and Processing

Roberto Llorente, and Maria Morant

Universitat Politècnica de Valencia, Spain

Title: 5G Large-Count MIMO Fronthaul Systems based on Multicore Microwave Photonics

Sergi Garcia, and Ivana Gasulla

Universitat Politècnica de Valencia, Spain

Title: Exploiting the space dimension for reconfigurable optical fiber delay lines



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