



Oct. 5-9, 2010

Montreal, Quebec, Canada

2010 IEEE INTERNATIONAL TOPICAL MEETING ON MICROWAVE PHOTONICS

## First Call For Papers

### General Chair

**Afshin S. Daryoush (USA)**

### Conference Co-Chairs

**Ke Wu (Canada)**

**Beatrice Cabon (Europe)**

### TPC Chair

**Jianping Yao (Canada)**

### TPC Co-Chairs

**Thas Nirmalathas (AP)**

**Jean Chazelas (Europe)**

### Student Paper Competition

**Arye Rosen (USA)**

**Asher Madjar (USA)**

### Local Arrangements

**Reynald Boula Picard (Canada)**

**Michel Tetu (Canada)**

### Web-Administrator & Publicity

**Ed Ackerman (USA)**

**Yifei Li (USA)**

### E-Submission

**Jeff Pond (USA)**

### Publications

**Xiangdong Zhang (USA)**

### Sponsorship/Exhibitors

**Abhay Joshi (USA)**



### Conference Venue

**Hilton Montréal**

**Bonaventure**

**900 de La Gauchetière W.**

**Montreal, Canada H5A 1E4**

Microwave Photonics is an inter-disciplinary field that studies the interactions between microwave and optical waves for generation, processing, control and distribution of microwave, millimeter-wave and THz signals in the optical domain. Microwave photonics technologies can find many applications such as in high-speed wireless communications networks, radar, sensors, and modern instrumentation. The 2010 International Topical Meeting on Microwave Photonics (MWP 2010) is to provide an exciting forum for researchers to exchange new findings and developments in the area of microwave photonics. MWP 2010 is now soliciting papers for the conference.

### Conference Scopes:

#### Devices, components and subsystems

- High speed and broadband photonic devices: lasers, detectors, modulators, etc.
- Advanced optical probing and measurements
- Optical frequency metrology
- Integration and packaging technologies for microwave photonic devices
- High - speed optical analogue to digital conversion
- Hybrid and chip level integration of photonics devices
- Optically controlled electromagnetic wave synthesis, from microwave to THz
- Advanced materials and components for analog and digital fiber links
- Photonic and electromagnetic wave band - gap (PBG and EBG) structures
- Signal processing and techniques for optical spectra synthesis
- MEMS for microwave photonics

#### Systems, applications and others

- Wired, wireless and cellular radio systems and networks
- Low cost Radio over Fiber solutions
- Subcarrier multiplexed and optical CATV systems
- Optical control of array antennas
- Advanced modulation techniques (OFDM, PSK, CDMA, etc) in optical transmission systems
- Tera-Hertz waves and system applications
- Microwave and millimeter - wave optical signal generation techniques
- Sensors using photonic and/or microwave technologies
- Photonics - based satellite applications
- Security technologies for optical wireless systems
- Microwave Photonic technologies for bio - medical applications
- Optical processing and control of high speed analog and digital signals
- Photonic technologies for wireless communications including MIMO and UWB systems, etc.
- Innovative applications of microwave photonics

### Important Dates:

Paper Submission Deadline: May 24, 2010

Notification of Acceptance: June 28, 2010

Submission of Final Papers: July 26, 2010

<http://www.mwp2010.org> Email:

[mwp2010@coe.drexel.edu](mailto:mwp2010@coe.drexel.edu)