



2016 IEEE International Frequency Control Symposium



May 9 - 12, 2016 | The Roosevelt Hotel | New Orleans, Louisiana, USA

First Call for Papers - Abstract Submission Deadline: January 15, 2016

General Chair:

Lute Maleki
OEwaves
lute.maleki@oewaves.com

Technical Program Committee Chair:

Elizabeth Donley
NIST
elizabeth.donley@nist.gov

Finance Chair:

Debra Coler
OEwaves
debra.coler@oewaves.com

Academic Chair:

Clemens Ruppel
EPCOS AG
clemens.ruppel@t-online.de

Editorial Chair:

Aaron Partridge
SiTime
ap@sitime.com

Tutorial Chair:

Gianluca Piazza
Carnegie Mellon University
piazza@ece.cmu.edu

IEEE IFCS Awards:

Send award nominations to
Gregory Weaver
gregory.weaver@jhuapl.edu

Conference Management:

Chris Dyer
Conference Catalysts, LLC
cdyer@conferencecatalysts.com

Exhibits:

Interested? Please contact
Sue Kingston
skingston@conferencecatalysts.com

The IFCS has chosen the Roosevelt Hotel in New Orleans, LA, USA as the venue for our 2016 symposium. The Roosevelt Hotel is located near the French Quarter and is within walking distance of the city's major attractions, offering pedestrian commerce, restaurants and nightlife.

Abstracts will be collected through a web-based submission tool. For details on abstract submission and conference information, please go to ifcs2016.org. Authors are invited to submit abstracts of recent and original work of interest to the frequency control communities in the following topics:

Group 1: Materials, Resonators, & Resonator Circuits

- A. Fundamental Properties of Materials
- B. Micro and Meso-scale-Fabrication Technology for Resonators and Filters
- C. Theory, Design, and Performance of Resonators and Filters, including BAW, FBAR, MEMS, NEMS, SAW, and Novel Devices
- D. Reconfigurable Frequency Control Circuits, e.g., Arrays, Channelizers

Group 2: Oscillators, Synthesizers, Noise, & Circuit Techniques

- A. Oscillators – Crystal, BAW, MEMS, SAW, DR, WGM, OE, Quantum, YIG, Planar Resonator, and Novel Devices
- B. Heterogeneously Integrated Miniature Oscillators, e.g. - Single-Chip, Environment Compensation
- C. Synthesizers, Optical to Microwave and RF Conversion with Combs, and Multi-Resonator Oscillators
- D. Noise Phenomena, Stability, and Aging
- E. Circuit Measurements, Analysis, and Specifications - Frequency and Phase-Noise Metrology and Nonlinear Circuit Analysis
- F. Digital Electronics and Systems - Applications in Time and Frequency Domain
- G. Emerging Trends – Metamaterial Möbius Resonator Oscillators, NCOs, Super-Regenerative Oscillators and Receivers, Spintronics, Software Defined Radio, and Energy Harvesting

Group 3: Microwave Frequency Standards

- A. Microwave Atomic Frequency Standards
- B. Atomic Clocks for Space Applications
- C. Vapor-cell Atomic Clocks and Other Cell-Based Sensors and Instruments
- D. Atomic Interferometers
- E. Fundamental Physics Tests with Clocks, and Other Applications

Group 4: Sensors & Transducers

- A. Resonant Chemical Sensors
- B. Resonant Physical Sensors
- C. Vibratory Gyroscopes & Magnetometers
- D. BAW, SAW, FBAR, and MEMS Sensors
- E. Transducers
- F. Sensor Instrumentation

Group 5: Timekeeping, Time and Frequency Transfer, GNSS Applications

- A. TAI, Time Scales, and Associated Algorithms
- B. GNSS and Applications
- C. Telecommunications Network Synchronization
- D. Time and Frequency Transfer
- E. Frequency and Time Distribution
- F. Frequency and Time Calibration Services

Group 6: Optical Frequency Standards and Applications

- A. Optical-Ion and Neutral-Atom Clocks
- B. Optical Frequency Combs and Frequency Measurements
- C. Ultra-Stable Laser Sources and Optical Frequency References
- D. Ultra-Stable Frequency Transfer between Optical, Microwave, Terahertz, and XUV Domains
- E. Fundamental Physics Tests with Accurate Optical Spectroscopy

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Visit the IFCS 2016 website for more information: www.ifcs2016.org

Important Dates:

Abstract Submission Deadline:

January 15, 2016

Acceptance Notifications:

February 5, 2016

Final Paper Submission Deadline:

May 2, 2016