First Call for Papers - Abstract Submission Deadline: January 9, 2015

The IFCS and EFTF have chosen the Colorado Convention Center in Denver, CO, USA as the 2015 venue for our continuing biennial joint conference. The Colorado Convention Center is located near the 16th Street Mall, a major Denver attraction area, offering pedestrian commerce, restaurants and nightlife.

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Abstracts will be collected through a web-based submission tool. For details on abstract submission and conference information, please go to ifcs-eftf2015.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 – BAW, MEMS, and SAW
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 and Aging
E. Circuit Measurements and Specifications - Frequency and Phase Noise Metrology
F. Digital Electronic and Systems - Applications in Time and Frequency domain

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 and 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, Other Applications

MORE INFO TO COME AT ifcs-eftf2015.org

EFTF European Frequency & Time Forum

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