



2005 Joint IEEE International Frequency Control Symposium and Precise Time and Time Interval (PTTI) Systems and Applications Meeting



Short Courses & Tutorials on 28 August, Conference 29-31 August 2005

Hyatt Regency Hotel, Vancouver, Canada

Sponsored by the IEEE Ultrasonics, Ferroelectrics & Frequency Control Society and the PTTI Executive Committee

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Call for Papers

Abstract Deadline: April 15, 2005

Electronic abstracts should be submitted to
www.epapers.org/IFCS-PTTI2005

The 59th consecutive meeting of the Frequency Control Symposium will be held jointly with the Precise Time and Time Interval (PTTI) Systems and Applications Meeting at the Hyatt Regency Hotel, Vancouver, BC, Canada. These are two of the leading international technical conferences for research, development, and applications of frequency control and precision timekeeping.

Authors are invited to submit papers dealing with recent and original work of interest to the frequency control and timing communities in the following subject categories:

Group 1 Materials & Resonators

- A. Fundamental Properties of Materials
- B. Theory and Design of Resonators and Filters

Group 2 Oscillators, Synthesizers, & Noise

- A. Oscillators - BAW and SAW
- B. Oscillators - Microwave to Optical
- C. Synthesizers and Other Circuitry
- D. Noise Phenomena and Aging
- E. Timing Error and Digital Systems

Group 3 Timekeeping & Atomic Standards

- A. Atomic, Microwave, and Optical Frequency Standards
- B. Atomic Clocks for Space Applications
- C. Measurements and Specifications
- D. TAI and Time Scales
- E. Frequency and Time Coordination and Synchronization
- F. Applications of Frequency Control and Timing
- G. Satellite Time Transfer
- H. Galileo, GPS, GLONASS
- I. Algorithms and Methods
- J. Laboratory Updates
- K. Military Systems

Group 4 Sensors & Transducers

- A. Resonant Chemical Sensors
- B. Resonant Physical Sensors
- C. BAW, SAW Sensors
- D. Transducers

Group 5 Manufacturing Technology

- A. Crystals, Oscillators, and Filters
- B. MEMS

For updates on conference information as it becomes available, please visit the IEEE and PTTI websites at: <http://www.ieee.org/uffc/fc> and <http://tycho.usno.navy.mil/ptti.html>

Environment

Vancouver is a beautiful city in Western Canada on the Pacific Rim. Vancouver attractions include Stanley Park, Gastown, Chinatown, and Granville Island. A 90 minute drive will take you to Whistler Mountain, home of the 2010 Winter Olympics. Vancouver is a city with excellent restaurants, easy walking, and is known for its garden climate. Victoria, on Vancouver Island and home to the world renowned Butchart Gardens is just a short seaplane or ferry ride away.

The Vancouver Hyatt Regency will host the Joint conference in 2005. The hotel is centrally located and connected to a small shopping center including restaurants, a newsstand, and gift and clothing shops. The hotel itself has three dining options. It will be possible to reserve rooms on-line with information available shortly on the conference web sites. Reservations may also be made by contacting the hotel directly or by calling 1 800-233-1234. Ask for IEEE IFCS PTTI 2005.

Travel/Tours:

Uniglobe Travel will provide information on airline travel with the best fares on any airline, as well as planned cruises, railroad trips, and tours both before and after the meeting.

Award Nominations

Nominations and suggestions of candidates for the IEEE/UFFC Cady, Rabi and Sawyer Awards should be sent to the IEEE/UFFC Awards Chairman, Thomas E. Parker, tparker@boulder.nist.gov (Also see "Awards" at <http://www.ieee-uffc.org/fc>).

Abstract Submissions

Abstracts will be collected through a web-based submission tool at www.epapers.org/IFCS-PTTI2005 . The deadline for submission is midnight, (Eastern Standard Time) April 15, 2005. Further information will also be available at the conference web sites (<http://www.ieee.org/uffc/fc> and <http://tycho.usno.navy.mil/ptti.html>).

Student Paper Competition

Students submitting abstracts for presentation are invited to participate in a student paper competition. To participate the student must be the lead author and present the paper. A poster presentation is required for selected authors, which will be in addition to any oral presentation. Winners will receive a cash award and a certificate. Further information will be posted on the conference web site. Student authors selected for the Student Paper Competition will be given preference for travel support.

Exhibits

For information on arranging for exhibit space, please contact:

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3159 Patrick Henry Drive
Falls Church, VA 22044
703-532-6411
FAX: 703-532-6338
bopenyan@aol.com

Tutorial Information

On Sunday, 28 August 2004, there will be a series of tutorials covering a wide range of related topics. The tutorials include both the fundamental topics of frequency and timing at a level suitable for practitioners new to the field, and more advanced and specialized topics related to specific areas. As such, the tutorials aim to provide useful knowledge to the beginners in the community, as well as those with extensive experience. Additional information and topics will follow in the Advance Program. Previously presented tutorial topics may be found at <http://www.ieee-uffc.org/fc> and <http://tycho.usno.navy.mil/ptti.html> .

Travel Support

Limited funds are available to support students and foreign authors. Awards will be made on a competitive basis. Further information will be posted on the conference web site.
