

THE IEEE FREQUENCY CONTROL SYMPOSIUM

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Abstract

A brief overview of the IEEE International Frequency Control Symposium is presented. The presentation includes:

- *A brief history of the Symposium*
- *Technical fields covered by the Symposium*
- *The Symposium awards, and recent winners*
- *A summary of the 1996 meeting, the 50th anniversary celebration, in Hawaii*
- *Dates and places of upcoming Symposia*
- *Information about the sponsoring organization, the IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society.*

History of the FCS

- Started as a gathering of government researchers and (DoD) contractors
- First symposium was held in a conference room at Ft. Monmouth, NJ; next three at the Officers' Club; 5th to 13th at a hotel in Asbury Park; the next 20 yrs in Atlantic City, NJ, then in Philadelphia 1980-87.
- Proceedings published since the 10th.
- Sponsored by the U.S. Army till 1982; cosponsored by Army & IEEE 1983-90; and by the IEEE since 1991.
- Attendees 100% U.S. at start; <50% U.S. in recent yrs

FCS Topics

Group 1

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

Group 2

- A. Oscillators - BAW and SAW
- B. Oscillators - Microwave to Optical
- C. Synthesizers and Other Circuitry
- D. Noise Phenomena and Aging

Group 3

- A. Atomic and Molecular Frequency Standards
- B. Frequency and Time Coordination
- C. Measurements and Specifications
- D. Applications of Frequency Control

FCS Awards

- The **Cady Award** is to recognize outstanding contributions related to **piezoelectric** frequency control and sensor devices.
- The **Rabi Award** is to recognize outstanding contributions related to the fields of **atomic and molecular** frequency standards, and **time transfer** and dissemination.
- The **Sawyer Award** is to recognize outstanding contributions in the development, production or characterization of **piezoelectric materials**, or to recognize **entrepreneurship** or **leadership**.

FCS Dates and Places

- Held in late-May or early June
- 50th was held in Hawaii in June 1996
- 1997: Disney World, Orlando, FL
(submission deadline is Jan 6)
- 1998: Pasadena, CA
- 1999: Besancon, France (joint with EFTF)

UFFC-Soc & FCS Web Site

- <http://bul.eecs.umich.edu/~uffc/>
or <http://www.ieee.org/society/uffc>
- Searchable data base of all FCS paper abstracts
- Call-for-Papers
- Dates and places of future symposia
- Description of awards and list of past winners
- List of past FCS officials