



Announcement

2004 Conference on IEEE-1588 Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems

Sponsored By:

The National Institute of Standards and Technology and the Instrumentation and Measurement Society of the Institute of Electrical and Electronics Engineers

Date: September 27-29, 2004

Location: National Institute of Standards and Technology, Gaithersburg, Maryland, USA

Conference Co-Chairs: John Eidson, Agilent Technologies, john_eidson@agilent.com and Kang Lee, NIST, kang.lee@nist.gov

ABOUT THE CONFERENCE

Since the first IEEE 1588 workshop held in September of 2003 there has been considerable industry, academic, and government interest in the standard. A number of products are in development and early deployment. The 2004 Conference will provide a forum for reporting on technical and implementation issues, product development, and application experience using IEEE 1588. In addition to papers presentations, discussions, and poster sessions, the conference will include a tutorial for newcomers and a plug-fest to explore the interoperability of IEEE 1588 implementations. See <http://ieee1588.nist.gov> for additional details on IEEE 1588 and the proceedings of the 2003 workshop.

We welcome paper submissions from engineers and scientists in industry, academia, and government reporting on all areas of interest to the IEEE 1588 community.

Topics for the conference:

- Tutorial on the standard (Monday afternoon, September 27, 2004)
- Implementation design and performance issues
- Application of the technology
- Device design and performance reports on prototype or product implementations
- Software and design tools
- Demonstration of implementations
- Plug-fest
- Working group session to resolve implementation design and performance issues
- Working group sessions on user requirements, conformance and compliance issues
- Discussion of next steps and future events

Developers and implementers are invited to cooperate with others in a plug-fest demonstrating system-wide clock synchronization using IEEE 1588 across as wide a spectrum of devices as possible. For those not participating in the plug-fest, we also welcome submissions to exhibit implementations illustrating IEEE 1588 devices and applications. Participants in the plug-fest will hold one or more phone meetings prior to the conference.

All submissions, papers, posters, and exhibit implementations, shall be of a scientific, technical, or application nature. Sales oriented submissions will be rejected.

Prospective paper or poster authors should submit an abstract of one-page or less describing the contents. Prospective implementation exhibitors and participants in the plug-fest should submit a letter of intent to participate and an abstract of one-page or less describing the devices or applications and indicate the technical issues illustrated by the submission. All abstracts and letters of intent should be sent to the conference secretary Ms. Kerra Johnson, e-mail: kerra.johnson@nist.gov, tel: 301-975-6602, fax: 301-990-3851. Letters of intent to participate in the plug-fest or exhibits are due June 15, 2004. Abstracts for papers and exhibits are due July 19, 2004.

GENERAL INFORMATION

LOCATION

The conference will be held at the National Institute of Standards and Technology, Lecture Rooms A and B, Administration Building (101), Gaithersburg, Maryland. Gaithersburg is located 40 km north of Washington, DC.

REGISTRATION

The registration fees are **\$185** full and **\$100** student fee with school ID. The registration fees include continental breakfasts (Tuesday & Wednesday), lunches (Tuesday & Wednesday), a dinner (Tuesday), coffee breaks, and conference materials. Extra dinner tickets for a spouse or family member can be purchased at the on-site conference check-in desk for \$35 each. The registration form and payment must be received by **September 10, 2004**. Cancellations and/or substitutions must be requested, in writing, by **September 10**, and no refunds will be made after this date. Registration can be done electronically at https://rproxy.nist.gov/CRS/conf_ext.cfm?conf_id=838

Due to increased security, no on-site registrations will be accepted and all attendees must be pre-registered. Photo identification must be presented at the main gate to be admitted to the conference. Attendees must wear their conference badge at all times while on the campus.

ACCOMMODATIONS

Conference registration does not include your hotel reservation. A block of rooms has been reserved at the Hilton Washington, DC North/Gaithersburg, **(301) 977-8900**. The special room rate is \$109, plus 12% tax. To register for a room, please call the hotel directly, no later than **September 3, 2004**, and mention that you are attending the "NIST/IEEE-1588 Conference", or you can make a reservation on-line at www.hilton.com; under "Group/Convention Code", enter **NEE**. After September 3, the rooms will be released for general sale at the prevailing rates of the hotel.

Roundtrip bus transportation will be provided between the hotel and NIST each day in the morning and evening. Attendees are encouraged to use this service, as parking at NIST may be limited.

CONTINENTAL BREAKFASTS, COFFEE BREAKS, AND LUNCHESES

Refreshments will be provided Tuesday and Wednesday during the morning, mid-morning, and mid-afternoon breaks. Lunch will also be provided.

TRANSPORTATION

Super-Shuttle, **1-800-258-3826**, offers commercial van service from Dulles International, Ronald Reagan National, and Baltimore-Washington International Airports to Gaithersburg. Call for reservations.

The Washington Metro has subway service to Gaithersburg. Metro can be boarded at National Airport. Take a Yellow Line train marked "Mount Vernon Square" to Gallery Place and transfer to a Red Line train marked "Shady Grove" to the Shady Grove station. Service is every 6 to 15 minutes, depending on the time of day. The travel time from National to Shady Grove is about 50 minutes. Taxis are available from the Shady Grove Metro station to area hotels.

A NIST shuttle van operates for official visitors and conference attendees from the Shady Grove Metro station to NIST. The van leaves the Shady Grove station on the quarter and three-quarter hour (e.g., 8:15, 8:45...4:45, 5:15) from the east side parking lot.

REGISTRATION INFORMATION

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DRIVING INSTRUCTIONS

To reach NIST:

Traveling north on I-270, take Exit 10, Route 117 West, Clopper Road. Bear right at the first light onto Clopper Road/West Diamond Avenue. At the next light, turn left onto the NIST grounds. Follow the signs to the Administration Building.

Traveling south on I-270, take Exit 11, Route 124, Quince Orchard Road/Montgomery Village Avenue. Bear right at the first light onto Route 124 West, Quince Orchard Road. At the third light on Quince Orchard Road, turn left onto Rt. 117. At the next light, turn right onto the NIST grounds. Follow the signs to the Administration Building.

To reach the hotel:

Traveling north on I-270, take Exit 11, Rt. 124 East, Montgomery Village Avenue. At the second traffic light, veer right onto Rt. 355. Turn right at the first traffic light onto Perry Parkway. Proceed through the rotary circle and the hotel will be about 500 yards on your right.

Traveling south on I-270, take Exit 11, Route 124, Quince Orchard Road/Montgomery Village Avenue. Turn left at the first light onto Route 124, stay in the far right hand lane. At the second light, bear to the right onto Rt. 355, North Frederick Rd. At the first light on Rt. 355, turn right onto Perry Parkway. Proceed through the rotary circle and the hotel will be about 500 yards on your right.