2024 NIST T & F Schedule

Time & Frequency agenda 2024 Tuesday, August 13, 2024

8:00 - 9:00	Registration and check-in; 9:00 – 9:10 Introductions by David Howe
9:10 - 9:40	(CH1) Timekeeping and Time Distribution, Elizabeth Donley
9:40 - 10:10	(CH2) Oscillator Measurement Definitions and Concepts – I, David Howe
10:10 - 10:30	**Break**
10:30 - 11:00	(CH2) Clock Measurement Definitions and Concepts – II, David Howe
11:00 - 12:00	(CH3) Introduction to Time Domain Measurement Standards, Jeff Sherman
12:00 - 12:30	**Lunch**
12:30 - 2:00	(CH4) Time-Domain Analysis, Jeff Sherman
2:00 – 2:50	(CH5) Time-Domain and Frequency-Domain, David Howe
2:50 – 3:10	**Break**
3:10 - 4:20	(CH6) Techniques of State-of-the-Art PM and AM Noise Measurements, Craig Nelson
4:20 – 5:00	(CH7) Vibration-Induced Phase Noise: Oscillators and Non-Oscillatory Components, Archita Hati

Wednesday, August 14, 2024

8:30 -8:45	Craig Nelson / David Howe: Announcements
8:45 – 9:30	(CH8) Direct Digital Measurement of Precision Oscillators, Marco Pomponio
9:30 – 10:05	(CH9) Optical Frequency Division for Ultralow Phase Noise Microwaves, Frank Quinlan
10:05 – 10:20	**Break**
10:20 – 12:10	(CH10) Introduction to GNSS for Position, Navigation, and Timing, Penina Axelrad
12:10 – 12:45	**Lunch**
12:45 – 1:00	Convene in B1-83 for live Demonstrations
1:00 – 2:15	(CH11) Basic Measurements of Time and Frequency, Andrew Novick
2:15 – 2:35	**Break**
2:35 – 4:00	(CH12) Phase Noise Measurement Demonstration, Archita Hati
4:00 – 5:00	Hands-on Test and Noise Measurements, Archita Hati
5:30 - 8:00	Off-site Open House

Thursday, August 15, 2024

8:00 - 8:15	Questions and Answers
8:15 - 9:00	(CH13) Precise and Accurate Network Timing, Jeff Sherman
9:00 - 9:50	(CH14) Cs Fountains at NIST, Vladi Gerginov
9:50 - 10:30	(CH15) Optical Atomic Frequency Standards, Andrew Ludlow
10:30 - 10:50	**Break**
10:50 - 11:20	(CH16) Chip-Scale Atomic Sensors and Clocks, Matt Hummon
11:20 - 12:00	(CH17) Time Transfer Alternatives to GNSS, Common-view, Jeff Sherman
12:00	Conclusion and Discussion

2:00 – 4:00	Convene in Lobby for Pre-arranged Scheduled Meetings