

Event Title: Environmental Measurement Workshop

Date: September 10 – 12, 2024

BlueJeans Logistics:

Recording: Yes or No

Start and End Times (ET, MT): 9:00, 7:00 to 17:00, 15:00 (Sept. 10 and 11)

9:00, 7:00 to 12:00, 10:00 (Sept. 12)

Speaker Ready Room

Breaks

Breakout Rooms

Adjourn

September 10: Day 1					
Start Time (ET, MT)	End (ET,MT)	Session/Talk	Presenter	In Person (IP)/Virtual (V)	Notes
9:00, 7:00	9:20, 7:20	Arrival and networking			
9:20, 7:20	9:40, 7:40	Overview of NIST Activities	Gerald Fraser	IP	
9:40, 9:40	10:25, 8:25	Hardware challenges for long-term measurements of the terrestrial carbon cycle	Lucy Hutyra	IP	
10:25, 8:25	10:40, 8:40	Coffee break			
10:40, 8:40	11:10, 9:10	Measurement timeseries in the Long-Term Ecological Research (LTER) network	Jonathan Thompson	IP	
11:10, 9:10	11:40, 9:40	“The National Ecological Observatory Network (NEON) Contributions to Environmental Measurement Stewardship”	Janae Csavina	IP	
11:40, 9:40	12:40, 10:40	Lunch			
12:40, 10:40	13:40, 11:40	Discussion: Atmosphere/biosphere monitoring			Group or breakout
13:40, 11:40	14:10, 12:10	Dual-comb spectroscopy for greenhouse gas sensing	Kevin Cossel	V	
14:10, 12:10	14:40, 12:40	NIST testbeds and solar-induced fluorescence instrumentation	Julia Marrs & David Allen	IP	
14:40, 12:40	15:10, 13:10	Integrating airborne with proximal remote sensing	John Gamon	V	
13:55, 11:55	14:10,12:10	Coffee break			
15:10, 13:10	16:25, 14:25	Discussion: Field instrumentation challenges			Group or breakout
16:25, 14:25	17:00, 15:00	Group discussion to summarize main points of the day			

September 11: Day 2					
Start Time (ET, MT)	End (ET,MT)	Session/Talk	Presenter	In Person (IP)/Virtual (V)	Notes
9:00, 7:00	9:15, 7:15	Arrival and networking			
9:15, 7:15	9:45, 7:45	“Multi-scale study of land-atmosphere interactions”	Ken Davis	IP	
9:45, 7:45	10:15, 8:15	“Utilizing Lower-Cost Indoor Air Quality Sensors for Environmental Monitoring”	Tyler Boyle	IP	
10:15, 8:15	10:30, 8:30	Coffee Break			
10:30, 8:30	11:00, 9:00	NIST on a Chip	Jay Hendricks	IP	
11:00, 9:00	12:00, 10:00	Discussion: Accessibility			Group or breakout
12:00, 10:00	13:00, 11:00	Lunch			
13:00, 11:00	13:30, 11:30	“Closing the Earth observation traceability loop: from remote sensor development to analysis ready data”	Chris Crawford	IP	
13:30, 11:30	14:00, 12:00	Translating CO2 measurement uncertainty to modeling	Kimberly Mueller	V	
14:00, 12:00	14:30, 12:30	Spectral reference data for atmospheric greenhouse gases	Adam Fleisher	IP	
14:30, 12:30	15:15, 13:15	AmeriFlux and FluxNet networks	Trevor Keenan	V	
15:15, 13:15	15:30, 13:30	Coffee Break			
15:15, 13:15	16:30, 14:30	Discussion: Timeseries			Group or breakout
16:30, 14:30	17:00, 15:00	Group discussion to summarize main points of the day			

