Agenda 2026

Tuesday, September 8th

Time Pacific	Topic
6:30 PM	Social Mixer: Refreshments and cash bar

Wednesday, September 9

Time Pacific	Topic
8:00 AM	Refreshments will be served from 8:00 AM
8:30 AM	Welcome from the meeting Chair and AMP
8:50 AM	**Opening Session – AI and Machine Learning**
Invited Plenary Talk:	**Fa Li** - Trustworthy AI for Earth System Science: From Prediction to Interpretability and Causality
9:05 AM	Welcome from DOE BER: Dan Stover
9:15 AM	**Bailu Zhao** - Partitioning of ecosystem autotrophic and heterotrophic respiration using multi-source data and knowledge-guided machine learning
9:30 AM	**Ngoc Nguyen** - FluxLens: A 10-meter spatialization framework for eddy-covariance carbon fluxes
9:45 AM	**Group Photo**
10:10 AM	Poster Session (see abstracts here) and Vendor Exhibit with Sponsors
12:30 PM	Lunch and Poster Q&A
1:30-2:00PM	Poster Session (see abstracts here) continued
2:00 PM	**Session 2: AI and Machine Learning**
Invited Plenary Talk	**Jingfeng Xiao** - Emerging satellite observations advance flux tower upscaling with ML/AI
2:15 PM	**Wenli Zhao** - Multi-Scale Memory Governs Ground Heat Flux Dynamics
2:30 PM	**Yilun Zhao** - ECO2Bench: A Benchmark Dataset and Evaluation Framework for Machine Learning Upscaling of Ecosystem Carbon Fluxes
2:45 PM	**Weijie Zhang** - GeoFoundation-model based ecosystem carbon and water flux estimates
3:00-3:30 PM	Early Career Mentor-Mentee Facilitated Networking Session
3:30 PM	Break
3:40 PM	Breakout sessions introduction (see session details here)
4:00 PM	Breakout session (3 parallel tracks)
Breakout Room1	Breakout 1: Integrating Flux Towers, Remote Sensing, and AI for scaling Conveners: Nicola Falco, Leila Hernandez Rodriguez
Breakout Room 2	Breakout 2: Tropical Greenhouse Gas Fluxes: Measurements, Processing, and Scaling Conveners: Rafael Stern
Breakout Room 3	Breakout 3: CaliFlux Conveners: Kyle Delwiche, Patty Oikawa, Margaret Torn
5:00 PM	Adjourn

Thursday, September 10

Time Pacific	Topic
8:00 AM	Refreshments will be served from 8:00 AM
8:30 AM	Announcements Day 2
8:40 AM	**Morning Session 3: General and Applied Flux Science**
Invited Plenary Talk	**Lisamarie Windham-Myers** - Understanding the Ameriflux-policy nexus: a view from California's Sacramento-San Joaquin Delta
8:55 AM	**Ivan Mauricio Cely Toro** - The Chestnut Ridge Forest-Atmosphere Supersite: Advancing Measurements of Land-Atmosphere Exchange in a Deciduous Forest of the Southeastern United States
9:05 AM	**Corrin Clemons** - Subcanopy CO2 Advective Fluxes Over Complex Terrain in a California Coastal Redwood Forest
9:15 AM	**Kyle Delwiche** - Insights from over 100 site-years of California Bay/Delta flux data
9:25 AM	**Wenge Ni-Meister** - Urbanization controls surface energy partitioning and energy balance closure across the New York City urban-exurban gradient
9:35-9:55AM	Break
9:55 AM	**Chitra Chopra** - New surface layer flux footprint parameterizations for dependence on source height and directional wind shear
10:05 AM	**Bowen Wang** - Daily evapotranspiration often increases without rain or changes in cloudiness
10:15 AM	**Oliver Sonnentag** - CanFlux: A National Network of Ecosystem–Atmosphere Flux Observations
10:25 AM	BREAK
10:45 AM	Breakout Introductions (see session details here)
11:00 AM	Breakout Session (3 parallel tracks)
Breakout Room 1	Breakout 4: AmeriFlux 'Year of AI for Flux Science' Conveners: Trevor Keenan, Rachel Hollowgrass
Breakout Room 2	Breakout 5: Energy Balance Closure Conveners: Ankur Desai, Bill Kustas
Breakout Room 3	Breakout 6: Plant Physiology From Leaves to Landscapes (withdrawn)
12:10 PM	Lunch and session Q&A
1:25 PM	**Session 4: Remote Sensing And Modeling**
Invited Plenary Talk	**Troy Magney** - Beyond Prediction: Scaling the Mechanisms of Forest Function from Towers to Satellites
1:40	**Jason Kelley** - Statistical Footprint Matching of In-situ and Satellite-based ET
1:50	**Jen Diehl -** Using AmeriFlux and Satellite Observations to Track Ecosystem Responses to Rainfall Pulses
2:00	**Olmo Guerrero Medina** - Assessment of OpenET Models and Their Underlying Assumptions Using Field Micrometeorological Measurements from Water-Saving Farms in the Sacramento-San Joaquin Delta
2:10	**Jalisha Kallingal** - Using Eddy-Covariance Observations to Constrain Model Estimates of Wetland CH_4 Budgets
2:20	**Gil Bohrer** - Bayesian Optimization for Anything (BOA) - new tool to parameterize models using flux and other site data
2:30 PM	Break
3:00 PM	Breakout introductions (see session details here)
3:15 PM	Breakout session (3 parallel tracks)
Breakout Room 1	Breakout 7: Hands-On Machine Learning and Information Theory for Eddy-Covariance Data Conveners: Leila Hernandez Rodriguez
Breakout Room 2	Breakout 8: GeoAI Embeddings for the Flux Community Conveners: Weijie Zhang, Qing Zhu, Trevor Keenan
Breakout Room 3	Breakout 9: Lessons From and For Site Operators Conveners: Roel Ruzol, Andrew Ouimette
4:30 PM	AmeriFlux Management Project Update / Town Hall
5.25 PM	AmeriFlux Award Announcements
5:30 PM	Report back from breakout
6:25 PM	Bus transfer to conference dinner

Time Pacific	Topic
6:45 PM	Conference Dinner at Angeline's Kitchen, Berkeley.

Friday, September 11

Time Pacific	Topic
8:00 AM	Refreshments will be served from 8:00 AM
8:30 AM	Welcome Announcements Day 3
8:35 AM	**Session 5: CH4**
Invited Plenary Talk	**Gavin McNicol** - Methane across scales: Site discoveries, network synthesis, and future directions
8:50 AM	**Thomas O'Halloran** - Plant phenology and wetland setting regulate CO_2 and CH_4 greenhouse gas balance across coastal wetlands
9:05 AM	**Christian Andresen** - The Methane Pulse of Arctic Tundra Ponds
9:20 AM	**Jonathan Gewirtzman** - Ground-to-Canopy Tree Methane Fluxes: Implications for Scaling and Forest Budgets
9:35 AM	Closing Session
10:10 AM	Bus Transfer to Field Site Visit
10:55 AM	Site visit - Rush Ranch - https://ameriflux.lbl.gov/sites/siteinfo/US-Srr
12:30 PM	Picnic Lunch at site visit
1:15 PM	Adjourn. Optional bus transfer back to the meeting venue.

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