

# Land Model Working Group

## 30th Annual CESM Workshop June 9th, 2025

### Monday, June 9th, 1:30 pm - 5pm

\* All times are MDT; **Speakers:** 10-12 min. talk. Please leave 3-5 min at the end of your slot for questions.

^ denotes remote presentation

Time	Topic	Speakers
1:30	Welcome	Will Wieder
1:35	Modeling urban traffic heat flux in the Community Earth System Model	Yuan Sun^
1:50	Integration and execution of Community Land Model Urban (CLMU) in a containerized environment	Junjie Yu^
2:05	Using Emission Driven CESM to Investigate Global Tipping Points and Climate Interventions	Peter Lawrence
2:20	Transient Historical Land Use Simulations with FATES	Charlie Koven
2:35	CLM6 overview presentation	Will Wieder
2:50	Discussion	
3:00	Break	
3:30	Return & Welcome	Will Wieder
3:35	Systematically constraining parametric uncertainty in CLM6	Linnia Hawkins
3:50	Leveraging machine learning emulators for efficient parameter estimation for 154 flux towers using SUMMA	Ignacio Aguirre Belmar
4:05	Towards Climate-Adaptive Phenology in CLM Using Machine Learning	Aya Lahlou
4:20	Observational constraints on runoff sensitivity of global river basins	Flavio Lehner
4:35	Enhanced Wetland Representation and Parameter Optimization for Carbon-Flux Simulations in CLM5	Hyunyoung Oh^
4:50	Discussion	
5:00	Adjourn	

### Posters

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