



2:00 – 2:05 2:05 – 2:10	Arrival and sign in Opening Remarks: Associate Professor Benedetto Marelli and Assistant Professor Darcy McRose
2:10 – 4:10	Research talks by faculty, students and postdocs
	Theme: Atmosphere
2:10 – 2:20	Keynote: Assistant Professor Michael Howland "The Atmosphere: Coupled Opportunities to Understand and Mitigate Climate Change"
2:20 – 2: 25	Liying Qiu, postdoc "Spatial Representation of Renewables in Energy System Planning"
2:25 – 2:30	Rahman Khorramfar, postdoc "Cost-effective Planning of Decarbonized Power-Gas Infrastructure to Meet the Challenges of Built Environment Electrification"
2:30 – 2:35	Jonas Lehmann, graduate student "Guiding the Fleet Asset Decarbonisation"
	Theme: The Built Environment
2:35 – 2:45	Keynote: Assistant Professor Josephine Carstensen "Low-Carbon Design for a Sustainable Built Environment"
2:45 – 2:50	Shreyaa Raghavan, graduate student "Identifying Stop-and-Go Congestion with Data- Driven Traffic Reconstruction"
2:50 – 2:55	Alireza Ghafarollahi, postdoc "Protein Discovery via Large Language Model Multi-Agent Collaborations Combining Physics and Machine learning"
2:55 – 3:00	Christopher Mancuso, postdoc "Intraspecies Antagonism Limits Colonization in the Skin Microbiome"
3:00 – 3:05	Krishna Girish, graduate student "Assessing the Effect of External Perturbations on the Stability of Microbiota"
3:05 – 3:15	Break
	Theme: Soil
3:15 – 3:25	Keynote: Associate Professor Dave Des Marais "Plant-microbe interactions: A Decidedly Important Research Topic"
3:25 – 3:30	Mahdi Seyyedan, graduate student "Modeling the Behavior of Expansive Clays in a Changing Climate"
3:30 – 3:35	Yue Hu, postdoc "Functionalized Silk Fibroin Pickering Emulsions for Efficient Plant Foliar Spraying Via Antibody-Targeted Adhesion"
3:35 – 3:40 3:40 – 3:45	Chloe Heitmeier, graduate student "Root Exudation in Future Climate Scenarios" Jennifer Schug, graduate student "Tradeoffs between Aboveground and Soil Carbon



CEE Across Environments







Theme: Water

3:45 – 3:55 3:55 – 4:00	Keynote: Associate Professor Otto Cordero Eliane Ballmer, graduate student "Elucidating the Relevance of Microplastic Formation in the
J.JJ 4.00	Degradation Pathway of Plastic Materials"
4:00 – 4:05	James Vincent Brice, graduate student "Influence of Geometric Configuration on Wave Attenuation in Constructed Oyster Reefs"
4:05 – 4:10	Eli Chavez Salcedo, research technician "Co-Culture Dynamics of Prochlorococcus and SAR11 under Varying Light Intensities"
4:10 – 4:20	Closing Remarks: Department Head, Ali Jadbabaie
4:20 – 4:30	Break

Poster Presentations and Networking

4:30 – 5:15 5:15 – 5:25	Poster Session 1: (Soil, The Built Environment) Break
5:25 – 6:10	Poster Session 2: (Atmosphere, Water)
6.10 6.15	
6:10 – 6:15	Announcement of Prizes: Best poster and talk

