

Improving Preparedness of Communities for Evacuations using ZEVs

Workshop #2 With Community Partners

Date: December 5th

Location: UC Merced, Conference Center, Room 110

Summary: UC Merced, UC Davis, UC Santa Cruz and UC Berkeley have been developing decision-aid tools that can help communities prepare evacuations with electric vehicle (EVs). The research team would like to share with community partners the latest the latest version of these tools. We are seeking feedback in order to make sure that our research can address the needs of the community partners. During the workshop we will have technical presentations, live demos of the prototype of our tools and group discussions.

Agenda

Time	Description	Presenter
11:00-11:20	Welcome + round of Introductions	deCastro (UCM) + all
11:20-11:35	Scoring method to evaluate readiness of EV evacuations (v2.0)	Osman Saleem (UCSC)
11:35-11:50	Planning of energy, infrastructure and storage needs for EV evacuations (Part 1 – Analysis)	Farzan ZareAfifi (UCM)
11:50-12:05	Planning of energy, infrastructure and storage needs for EV evacuations (Part 2 – Optimization tools)	Saheed Lakeh (UCSC)
12:05-12:30	Live demo Note: Tools available here in link [A] (see URL below)	Farzan + Osman
12:30-13:25	Lunch	-
13:25-13:30	Group Photo	-
13:30-13:50	Optimal routing/ scheduling of vehicles and dispatch of mobile chargers during EV evacuations	Xuchang Tang (UCD) Shuang Feng (UCM)
13:50-14:10	Modeling of a real-world evacuation in Mariposa, CA	Qijian Gan(UCB)
14:10-14:20	Public policy implications for effective EV-based evacuations	Markolf (UCM)
14:20-15:00	Group discussion	Moderator: Markolf
15:00-15:30	Final discussion - Are we missing any critical functionality in our planning and decision making tools for EV-based evacuation ? - Next steps of the project - Next workshop (May 2025)	deCastro + ALL

[A] <https://ucmerced.box.com/s/h9c1c6noehp0vqejbza81v0z6eix2afe>

List of Participants

#	Organization	Name	Mode
1	UC Merced	Ricardo de Castro	In-person
2	UC Merced	Sam Markolf	In-person
3	UC Merced	Shuang Feng	In-person
4	UC Merced	Dilawer Ali	In-person
5	UC Merced	Sarah Kurtz	In-person
6	UC Merced	Farzan ZareAfifi	In-person
7	UC Davis	Xinfan Lin	-
8	UC Davis	Xuchang Tang	In-person
9	UC Santa Cruz	Keith Corzine	In-person
10	UC Santa Cruz	Osman Saleem	In-person
11	UC Santa Cruz	Saeed Lakeh	In-person
12	UC Santa Cruz	Leila Parsa	Remote
13	UC Berkeley	Scott Moura	In-person
14	UC Berkeley	Qijian Gan	Remote
15	UC Berkeley	Michael Henderson	Remote
1	Merced Office of Emergency Services	Adam Amaral	In-person
2	Pioneer Emobility	Michelle Browne	In-person
3	Turlock Irrigation District (TID)	Monique Hampton	Remote
4	Turlock Irrigation District (TID)	Jason Hicks	In-person
5	LLNL	Minerva Uribe-Robles	In-person
6	SJ EV Partnership	Ollie Danner	In-person
7	Kern Council of Governments	Rob Ball	Remote
8	Mariposa Office of Emergency Services	Wes Smith	In-person
9	Mariposa Office of Emergency Services	Tim Rumfelt	In-person
10	Mariposa Office of Emergency Services	Raquel Sandoval	In-person
11	Calstart	Valerie Thorsen	In-person
12	City of Clovis	Bethany Berube	Remote
13	City of Porterville	Teresa	Remote
14	City of Clovis	Susanna Herrera	Remote
15	City of Clovis	Nick Chin	Remote
16	CARB	Stephanie Palmer	Remote
17	CARB	Natalie Reavey	Remote

Workshop Venue

Conference Center, Room 110

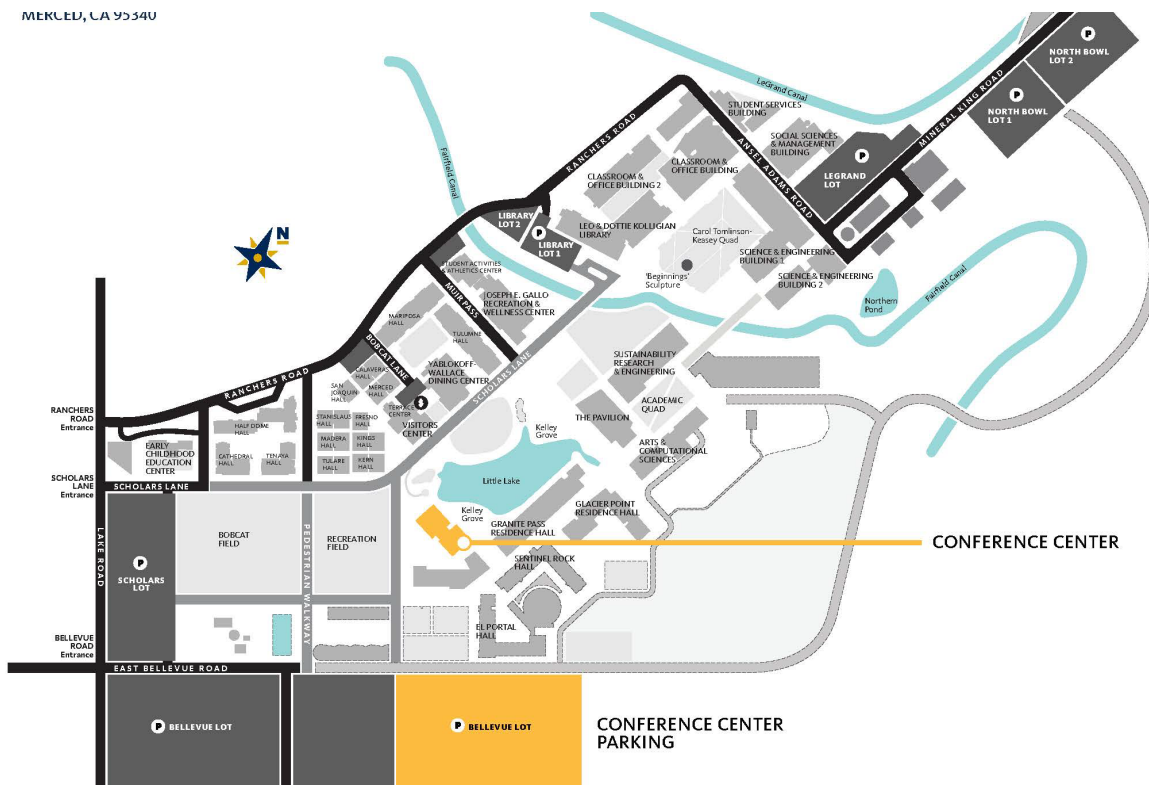
University of California Merced
5200 North Lake Rd.
Merced, California 95343



How to get here

Complimentary parking will be offered to the workshop participants at UC Merced's Bellevue Lot. There will be directional signs that will guide you to the Bellevue Parking Lot (if you are driving)

MERCED, CA 95340



Contact Information

Ricardo de Castro, +1 209 305 2094, rpintodecastro@ucmerced.edu