



UCRIVERSITY OF CALIFORNIA CE-CERT

1084 Columbia Avenue, Riverside CA 92507

CE-CERT is dedicated to addressing society's most pressing environmental challenges in air quality, climate change, energy and transportation through research, education and public service



150 student employees

60 faculty & engineers

\$ 30 million in ongoing research

30 laboratories and testbeds



CE-CERT RESEARCH FOCUS: AIR QUALITY, TRANSPORTATION, AND ENERGY

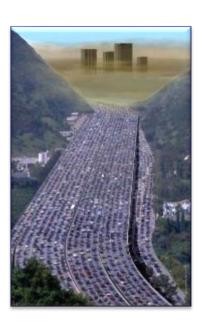


Clean Air

Quantifying and Measuring Emissions Toxic, Ozone and PM formation



Intelligent Transportation Systems
Connected and Automated Vehicles
Electric and Hybrid vehicle integration
Ecodriving, Shared Vehicle Systems





Renewable Fuels

Aqueous Processing of Biomass to Fuels
Thermochemical Processing of Biomass to Fuels

Renewable Electricity & Smart Grids

Advanced Solar Energy Production
Energy Storage
Energy Management



Impacts of our fuels
Cloud formation & impacts





CE-CERT's Latest Initiatives



Projects with the City of Riverside:

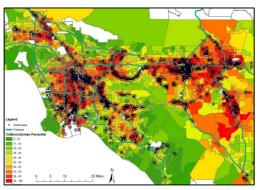
- Innovation Corridor & Smart Intersection
- Community Air Quality Monitoring
- Transformative Climate Community Program

OMEGA Research Program

Objective Measurement/Monitoring/Mitigation of Emissions from Goods

Movement and Impacts on Air Quality







Renewable Energy Projects

- Vehicle to Grid research
- Hydrogen Program
- Lithium Valley



Sustainable Freight

Working with Industry on new technology deployment: CalTestBed, SCEIN

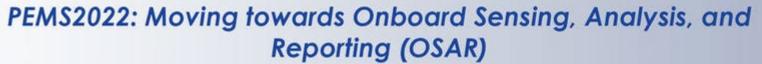
CARB in Riverside





PEMS Conference: March 17-18th, 2022





- Reception: March 17th, 2022 6pm: CE-CERT Front Lobby
- Technical Program: Thursday Friday, 8am 5pm,
 Riverside Marriott
- *Keynote:* Dr. Chris Frey, Deputy Assistant Administrator for Science Policy, U.S. EPA



March 17th & 18th 2022













April 15th, 2022

To Register: https://www.cert.ucr.edu/ce-cert-30th-anniversary

- Alumni Research Symposium: 9am noon
- Awards Recognition Lunch: noon 2pm
- Research Open House: 2pm 4pm

Sponsorship Opportunities:

30 YEARS, 3 FUNDS, \$90K

EMPOWER THE NEXT GENERATION OF ENGINEERS BY MAKING A GIFT TODAY!

Celebration Dinner and Program: 6pm – 9pm, UCR Alumni Center







Dr. Chris Frey

Deputy Assistant Administrator for Science Policy in the Office of Research and Development as an appointee of the Biden/Harris administration.