

CE-CERT Board of Advisors Agenda May 17th and 18th, 2017

May 17, 2017 8:00AM - 4:30 PM

WELCOME BREAKFAST..... ALL

RNG SYMPOSIUM & RIBBON CUTTING.....Arun Raju

3:00 PM – 4:00 PM

MARTIN KELLER SEMINAR WCH205/206

Director, National Renewable Energy Laboratory

CE-CERT Board Member

3:00 PM – 5:00 PM

CE-CERT OPEN HOUSE Researchers, Staff, Students, Board Members & Visitors

Join research faculty, staff and students for detailed tours of the CE-CERT laboratories and discussions about recent research activities; many of our 22 labs will be open to visit. Featured research stations will include:

Next Generation Technologies for a Sustainable Future

Exploration of our lab to market technologies and the processes and partnerships needed to meet California's sustainability goals.

Nicole Davis, Wayne Miller, Tom Durbin, Kent Johnson

Aqueous Biomass Processing Laboratory

Research and development of novel biological and chemical conversion technologies to accelerate commercialization of fuels and chemicals made from sustainable cellulosic biomass.

Charles Wyman, Charles Cai, Rajeev Kumar

Intelligent Transportation Systems

Using vehicle and infrastructure communication and automation to reduce congestion and emissions on our roadways.

Matthew Barth, Kanok Boriboonsomsin, Mike Todd, Guoyuan Wu, Peng Hao

Sustainable Integrated Grid Initiative

Researching and implementing microgrid systems that demonstrate successful integration of intermittent renewable energy, energy storage, and electric-drive vehicles.

Sadrul Ula, Alfredo Martinez-Morales, Mike Todd

Emissions, Air Pollution, and Climate Change

Coupling portable air chambers with emission sources to study chemical processes and impacts of these emissions in the atmosphere.

George Karavalakis, Kelley Barsanti, David Cocker, Mark Vilella

6:00 PM Reception & Dinner..... Board Members, Researchers & Students

7:00 PM Keynote Speaker Richard Corey

Distinguished Service Awards Government: Carl Fulper

..... Industry: Lee Kindberg

..... Academic: Arthur Raguaskas

May 18, 2017 8:00 AM – 4:00 PM

8:00 AM **Breakfast** Board Members & Researchers

8:20 AM **Introductions**..... ALL

8:30 AM **Setting the Scene and Future Directions:**

Setting the Scene:

Bourns College of Engineering Update Sharon Walker

City of Riverside Update Al Zelinka

CE-CERT 2016 Update Matt Barth

Short Break

9:40 AM **Future Directions:**

Integrating Sustainability Elements across Campus..... Matt Barth / Nicole Davis

- Mobility Solutions Matt Barth
- Microgrids and Energy Infrastructure (SIGI) Matt Barth
- Air Quality, Climate Change & Health Effects Matt Barth
- Renewable Energy Economy (Biofuels) Nicole Davis
- Additional Research Themes in Future Phases Nicole Davis

11:00 AM **Collaborative Efforts with Government & Industry** Michael Pazzani

Industry Engagement Rosibel Ochoa

Consortia Underway Nicole Davis / Matt Barth

- Sustainable Integrated Grid Initiative (SIGI)
- Portable Emission Measurement Systems (PEMS)

12:00 PM **Luncheon and Informal Discussion with Researchers** ALL

In-Use Testing Center (PEMS)..... Training Room

SIGI Consortium WC Conference Room

Biofuels Room 101

Institute Planning Library

1:30 PM **Executive Session (Closed Door)** Board Members

2:30 PM **Board Recommendations** Board Members, UCR representatives

4:00 PM **Adjourn**