CEE Community Highlights Event Agenda

5 PM - 6 PM - Reception with hors d'ouvres, graduate student poster presentations and CEE research centers

6 PM - 6:15 PM - "State of the Department Address"
Joan Walker, Chair, Robert James McGann Professor and Chair, UC Berkeley

6:15 PM - 6:30 PM - "Building Our CEE Community Initiative"
Dimitrios Zekkos, Vice Chair for Strategic Planning and Implementation, UC Berkeley

6:30 PM - 6:35 PM - "Importance of Industry Engagement"
Lindsey Maclise, Principal Engineer, Forell I Elsesser

6:35 PM - 6:45 PM - "The Center for Smart Infrastructure"
Kenichi Soga, Donald H. McLaughlin Chair in Mineral Engineering, UC Berkeley

The Center for Smart Infrastructure (CSI) is a partnership between infrastructure owners, academia, industry, and regulators to address the most pressing and challenging issues facing the infrastructure industry. CSI is addressing challenges with aging infrastructure, climate change, natural resources, and emergency and community preparedness by using a holistic socio-technical approach to provide resilient and sustainable infrastructure systems through (i) State of the art lab and field testing equipment, (ii) Smart sensors and robotics, (iii) Big data and machine learning, and (iv) Multi-scale computer modeling and simulation.

6:45 PM - 6:55 PM - "Wastewater-Based Epidemiology to Protect Public Health"
Kara Nelson, Blum Chancellor's Chair in Development Engineering, UC Berkeley

In response to the COVID-19 pandemic a new field emerged, which mines wastewater for information about the levels of disease in communities. This practice evolved at an unprecedented rate due to partnerships between academics, wastewater agencies, public health departments, philanthropy, and the private sector. CDC, state, and local health departments now rely on wastewater monitoring to track COVID as well as a growing number of infectious diseases, and research is focused on how to prepare for future threats to public health.

7 PM - 8 PM - Graduate student posters and networking

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