

Thank you for your interest in 10th Annual International Portable Emissions Measurement Systems (PEMS) Virtual Conference, presented by the University of California at Riverside (UCR) Bourns College of Engineering Center for Environmental Research and Technology (CE-CERT). For ten years, the PEMS International Conference has served a highly recognized forum that gathers top researchers from industry, government, and academia to discuss the evolving nature, application and significance of PEMS in emission and fuels research. Participants and presenters over the course of this conference have ranged in background bringing together individuals working with a broad range of measurement systems, including fully compliant regulatory PEMS (1065 Compliant PEMS) and small systems, which include everything from micro PEMS (µPEMS), nano PEMS (nPEMS), in-situ sensors, portable activity measuring systems (PAMS), to Real Emissions Assessment and Logging (REAL).

At this years conference we will explore the notion of From the Laboratory to the Real World: Understanding Community Impacts. The focus in 2021 will be on seeking answers to the most pressing questions in today's world pertaining to climate and health. Topics covered will include the latest developments in compliant and non-compliant PEMS; the benefits of PAMS and prediction of in-use emissions; and new developments for on-road measurements from an international perspective, such as Real Driving Emissions.

Thank you, Kent Johnson, Ph.D. Principal Investigator, Emissions and Fuels Research UC Riverside CE-CERT



## **AGENDA DAY 1**

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9:00 AM	Opening Remarks and Keynote
	Sterling Imfeld, Director, Engine Testing Center at the National Vehicle
	and Fuel Emissions Laboratory, Environmental Protection Agency
10:00 AM	Exposure & Measurements
	Nick Molden, Emissions Analytics, Ltd.
	Robin Smit, Transport Energy/Emissions Research (TER)
	Daisy Thomas, 3DATX
	Sebastian Tolvett, Metropolitan University of Technology, Chile
11:00 AM	Government Policy
	Tim Dallman, The International Council on Clean Transportation
	William (Bill) Robertson, California Air Resources Board
	Kent Johnson, OSAR Consortium, CE-CERT
12:00 PM	Break
1:00 PM	SEMS Research Development
1.0011	Kotaro Tanaka, Ibaraki University, Japan
	Mu (Sumumu) Sato, Tokyo Institute of Technology
	The (Sumandy Sato, Tokyo institute of Teenhology
1:40 PM	Panel Discussion
	William (Bill) Robertson, California Air Resources Board
	Tim French, Chicago Law Partners
	TBD



## AGENDA DAY 2

9:00 AM	<b>Research &amp; Development</b> Kay-Oliver Denkinger, CPK Automotive Ehsan Hosseini, California Air Resources Board André Forcetto, Environmental Company of Sao Paulo State Karl Ropkins, Institute for Transport Studies, University of Leeds Phil Roberts, Horiba Samaras Zissis, Aristotle University, Greece
10:15 AM	<b>Policy &amp; Technology</b> Fred Jazquelin, AVL Yi Tan, California Air Resources Board Samaras Zissis, Aristotle University, Greece
11:15 AM	<b>On-Board Sensing</b> Filiz Kazan, West Virginia University Imad Khalek, SwRI Cavan McCaffery, University of California, Riverside Chris Reuhl, California Air Resources Board
12:15 AM	<b>Closing Remarks</b> Kent Johnson, Center for Environmental Research & Technology, University of California, Riverside

