

CE-CERT SEMINAR EVENT



FRIDAY
JUNE 21, 2019
11:00AM–
12:00PM



The Analysis of PCCI Combustion with Ultrahigh Pressure Fuel Injection, the Methodology of Exhaust Flowrate Calculation, and the Eco-driving Effect Analysis on Real-World Driving Fuel Economy & Emissions

**UCR College of
Engineering–Center for
Environmental Research
& Technology**

**Training Room 105
1084 Columbia
Avenue
Riverside, CA 92507**

**For additional
information or to RSVP,
contact Ashley Ferreira
aferreira@cert.ucr.edu.**

Join CE-CERT for a special presentation by Dr. Susumu Sato

Acquiring internal combustion engine data, there are several key analysis methods for in-cylinder pressure and exhaust emissions. And emission analysis in chassis dynamometer testing and on-road testing, we need to be careful about the exhaust flowrate calculation and the driving resistance measurement. Dr. Sato will provide methods of the engine combustion analysis with the example of analysis for the PCCI combustion with ultrahigh pressure fuel injection. In addition, he will give the measurement methods of exhaust flowrate and driving resistance with the data of eco-driving effect analysis.

Susumu Sato, Ph.D. is a visiting scholar from the Tokyo Institute of Technology Department of Systems and Control Engineering where he serves as Associate Professor. His research focuses are in on-board emission measurement, real world emission modeling, HCCI combustion, PCCI combustion and diesel combustion, and after treatment system.