

## Seminar Reactive Flows and Heterogeneous Catalysis - WS 2019/2020

**Time/Location:** Tuesday, 14:00, HS 006, Bldg. 11.21, Engesserstr. 20, KIT, CS (unless otherwise announced)  
Language: English

### List of presentations

08.10.2019	Hendrik Goßler	<i>The Internal Combustion Engine as a Natural Gas Reformer (Language: German)</i>
29.10.2019	Olaf Deutschmann	<i>General announcements</i>
	Daria Gashnikova	<i>Methanol synthesis via CO<sub>2</sub> hydrogenation</i>
05.11.2019	Mario Eck*	<i>AdBlue-Deposits: Investigation and challenges of cyanuric acid</i>
12.11.2019	Daniel Schmider	<i>Development of a detailed kinetic mechanism for the methanation of CO and CO<sub>2</sub> over Ni</i>
19.11.2019	David Schweigert	<i>The effect of thermal properties, wetting characteristics and roughness on spray/wall heat transfer with urea water solution</i>
26.11.2019	Patrick Lott*	<i>Understanding Pd-based catalysts for exhaust gas after-treatment of gas engines</i>
03.12.2019	Steffen Tischer	<i>A new approach to calculate steady-state coverages</i>
	Yiran Guo	<i>Laser-induced Fluorescence Spectroscopy of NO<sub>x</sub> Storage and Desorption with Catalyst</i>
17.12.2019	Kevin Keller	<i>Catalytic oxidation of methane under dynamic conditions</i>
14.01.2020	Julia Pollmann	<i>Aging of oxygen storage capacity of three way catalysts</i>
21.01.2020	Christian Kuntz	<i>Modeling of the Interaction of Urea-Water-Solution with Catalysts</i>
28.01.2020	Sabrina Schwarz	<i>Kinetic analysis of homogeneous gas-phase reactions of internal combustion engines under pre-turbine conditions with ammonia addition</i>
	Carola Kuhn	<i>Reaction development and simulation of higher urea deposit formation and decomposition</i>

### Organization:

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