



TECHNISCHE UNIVERSITÄT  
BERGAKADEMIE FREIBERG

Die Ressourcenuniversität. Seit 1765.



Professur für Numerische  
Thermofluidodynamik  
Prof. Dr.-Ing. Christian Hasse

# Aktuelle Themen der Numerischen Thermofluidodynamik

Zeit: 11 Uhr

Ort: Reiche Zeche | Fuchsmühlenweg 9 | DBI 304

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Termin	Vortragender	Titel
23.01.2017	S. Popp	A Novel Approach for Efficient Chemistry Tabulation in Reactive Flow Simulations
06.02.2017	M. Pollack	Size Conditioned Transport Velocities in QBMM in a Open-FOAM framework
20.02.2017	A. Pati	Thermophysical modeling of complex mixture in sub/supercritical state for droplet evaporation simulation
13.03.2017	D. Messig	Flamelet/progress variable modeling and flame structure analysis of partially premixed flames
20.03.2017	F. Hunger	Systematic analysis of the impact of thermal diffusion in non-premixed flames
27.03.2017 (16.30 Uhr)	A. Lühr	Calibration and validation of a combustion model for premixed flames in ANSYS CFX (Verteidigung Masterarbeit)
27.03.2017	A. Scholtissek	Modeling of Premixed Flames in Progress-Variable Space Including Strain and Curvature Effects
	S. Gierth	Comparison of Differential Diffusion Flamelet Modeling Approaches in Turbulent Oxy-Fuel Flames
24.04.2017	S. Salenbauch	Monte Carlo Simulation of Particle Formation in Premixed Flames Using a Detailed Soot Model
04.05.2017 (16 Uhr)	H. Böttler	Testing several reaction mechanisms against a large set of butanol combustion data (Verteidigung Großer Beleg)
08.05.2017	D. Hain	Simulation of soot formation in a DISI engine and quantitative evaluation of several soot quantities
22.05.2017	F. Dietzsch	DNS Analysis of Turbulent Reactive Flows
29.05.2017	M. Knespel	Modeling the Population Balance for Droplet Evaporation based on Entropy Maximization (Seminararbeit CSE)
	L. Reimer	Modellierung der Populationsbilanz von Aerosolen mittels der Sektionalmethode (Seminararbeit CSE)

<b>Termin</b>	<b>Vortragender</b>	<b>Titel</b>
19.06.2017	F. Hartmann	1D/3D modeling of innovative piston coatings
03.07.2017	M. Vascellari	Flamelet Progress variable modeling of coal combustion
06.07.2017 (11 Uhr)	M. Haas (TU Darmstadt)	Investigating industrial NH <sub>3</sub> oxidation with CFD simulations including detailed surface kinetics
24.07.2017	Wang Han	Modeling and Simulation of Multi-physics Flows
31.07.2017	S. Hartl	Flamelet/progress variable modeling and flame structure analysis of partially premixed flames