

Monday

09:00-10:00	TWC	Prof. Eigenberger	Uni Stuttgart	Tutorial Modeling TWC and DOC
10:00-10:25		Prof. Olsson	Uni Chalmers	The beneficial effect of SO2 on platinum migration and NO oxidation over diesel oxidation catalysts
10:25-10:55	Pause			
10:55-11:20		Prof. Kolaczkowski	Uni Bath	Transient experiments on a full-scale DOC – methodology & techniques to support modelling
11:20-11:45		Hauff	Uni Stuttgart / Karlsruhe	Macro- and microkinetic simulation of DOC: effect of aging, noble metal loading and platinum oxidation
11:45-12:10		Prof. Hayes	Uni Alberta	Parametric Study of a Recuperative Catalytic Converter
12:10-13:15	Mittag			
13:15-14:15	DPF	Prof. Konstandopoulos	Thessaloniki	Tutorial Modeling of DPF
14:15-14:40		Maletic	MTU	Model Assisted Development of Rail DPF-Systems
14:40-15:05		Boger	Coming	Detailed Simulation of Exhaust Flow and Deposition of Soot Particles through Porous Particulate Filter Walls
15:05-16:05	Poster			
16:05-16:30		Boellerhoff	Uni Thessaloniki	Filtration and regeneration modeling for particulate filters with inhomogeneous wall structure
16:30-16:55		Ström	Uni Chalmers	The role of thermophoresis in trapping of diesel and gasoline particulate matter
16:55-17:20		Prof. Bertrand	Ecole Polyt. de Montréal	Lattice Boltzmann Simulation of Laminar Flow in a Honeycomb Monolith
17:20				

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09:00-10:00	SCR	Prof. Nova	Uni Milano	Tutorial Modeling of SCR
10:00-10:25		Watling	Johnson Matthey	Development, Validation and Application of an SCR Model
10:25-11:00	Pause			
11:00-11:25		Schmeißer	Daimler	NH3-SCR Model Application for System and Operation Strategy Optimization
11:25-11:50		Seykens	TNO Helmond	Control-oriented diesel exhaust gas aftertreatment system modelling and applications
11:50-12:15		Scheuer	Umicore / TU Darmstadt	Design-Study of a Dual Layer NH3-Oxidation Catalyst
12:15-12:40		Birkhold	Bosch	CFD of Urea injection
12:40-13:40	Mittag			
13:40-14:40	TWC Nox	Prof. Marek	Uni Prague	Tutorial Modeling NOx-storage + systems
14:40-15:05		Roettger	BASF Catalysis	Modeling of Lean NOx Trap Catalysts
15:05-15:25	Pause			
15:25-15:50		Koči	Uni Prague	Modelling of N2O formation during the regeneration of NOx storage catalyst
15:50-16:15		Wurzenberger	AVL	Exhaust Aftertreatment on the System Engineering Level—Physical Based Real-Time Simulation
16:15-16:40		Frey	Daimler	Efficient utilization of exhaust gas aftertreatment models in serial development
16:40-17:00	Pause			