



Universität Stuttgart

Institut für Chemische Verfahrenstechnik

Colloquium

Multiscale aspects of heterogeneous catalytic processes

**21.11.2018
09:30 – 16:00
Room M 78.21
Böblinger Str. 78**

Preliminary schedule, times and topics may be subject to change. Current schedule on www.icvt.uni-stuttgart.de

All speeches are held at ICVT,
Room M 78.21,
Böblinger Straße 78
70199 Stuttgart

You are welcome to listen to specific talks as well as the complete set

We kindly ask you to give prior notice until 15.11.2018 if you plan to attend

Further Information:
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And on www.icvt.uni-stuttgart.de

9:30 – 10:00

Welcome address, introduction ICVT research

Prof. Dr.-Ing. Ulrich Nieken

Institute of Chemical Process Engineering, Stuttgart

10:00 – 10:30

Investigation of reversible noble metal oxidation during heterogeneous catalysis

M.Sc. Daniel Dobesch

Institute of Chemical Process Engineering, Stuttgart

10:30 – 11:00

Catalytic application of nanoparticles generated via spark discharge

Dr.-Ing. habil. Martin Seipenbusch

Institute of Chemical Process Engineering, Stuttgart

11:30 – 12:00

Treatment of oxygen storage capacity in three way automotive catalysts

Dr.-Ing. Ute Tuttlies

Institute of Chemical Process Engineering, Stuttgart

13:00 – 14:00

Structure-dependent microkinetic analysis of heterogeneous catalytic processes: methodology and applications

assoc. Prof. Matteo Maestri

Department of Energy, Politecnico di Milano

14:00 – 14:30

Atom-scale structure measurements using Atom Probe Tomography (ATP)

Prof. Dr. Guido Schmitz

Institute for Materials Science, Stuttgart

14:30 – 15:00

Phase field modelling of polycrystalline sintering processes

M.Sc. Daniel Dobesch

Institute of Chemical Process Engineering, Stuttgart