

*Institut für Energietechnik: Prof. R.S. Abhari (LEC), Prof. K. Boulouchos (LAV)
Prof. Ch. Müller (ESE), Prof. H.G. Park (NETS), Prof. D. Poulidakos (LTNT)
Prof. H.-M. Prasser (LKE), Prof. A. Steinfeld (PRE)
Institut für Fluidodynamik: Prof. P. Jenny, Prof. T. Rösgen
Computational Science & Engineering Laboratory: Prof. P. Koumoutsakos*

02/06/2017

EINLADUNG

zu einem Vortrag im Rahmen des

Kolloquiums Thermo- und Fluidodynamik

Datum: Mittwoch, 7. Juni 2017

Zeit: 16:15 Uhr

Ort: Maschinenlaboratorium ETH Zürich
Hörsaal ML H 44

Referent: **Dr. Daniel Schanz**
Institute of Aerodynamics and Flow Technology
DLR, Göttingen, Germany

Titel: **Shake-The-Box: Lagrangian Particle Tracking at High Particle Image Densities within High- and Low Speed Flows**

Over the last years, the Shake-The-Box particle tracking framework was developed at DLR Göttingen that allows the processing at high particle image densities that were previously reserved to tomographic PIV. It overcomes the limitations of classical PTV by integrating the temporal information contained in a time-series into the reconstruction itself. Advanced triangulation methods further enhance the working range.

The presentation will introduce the main concepts of the STB scheme and demonstrate its applications, ranging from convective to transonic flows.

Host: Prof. T. Rösgen

Gäste sind willkommen!

Weitere Informationen: <http://www.ifd.mavt.ethz.ch/events/ktf/ktf-records.html>
www.lec.ethz.ch, www.lav.ethz.ch, www.esm.mavt.ethz.ch, www.nets.ethz.ch, www.ltnt.ethz.ch,
www.lke.mavt.ethz.ch, www.pre.ethz.ch, www.ifd.mavt.ethz.ch, www.cse-lab.ethz.ch/index.php/frontpage