

*Institut für Energietechnik: Prof. R.S. Abhari (LEC), Prof. K. Boulouchos (LAV)
Prof. Ch. Müller (ESE), Prof. H.G. Park (NETS), Prof. D. Poulikakos (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*

15/04/2016

EINLADUNG

zu einem Vortrag im Rahmen des

Kolloquiums Thermo- und Fluidodynamik

- Datum:** Mittwoch, 18. Mai 2016
- Zeit:** >> 11:15 Uhr <<
- Ort:** Maschinenlaboratorium ETH Zürich
Hörsaal ML H 44
- Referent:** Prof. Chang-Soo Han
Korea University
- Titel:** Real Origin of Permeation through Graphene Oxide Membranes

Recently graphene oxide has become attractive due to the selective permeation of water, gas and ions. This membrane has been regarded as a promising candidate for water purification, gas harvesting and ion filtering. However, the exact mechanism of the permeance has not been clearly resolved. In this talk, we present graphene oxide with deformed shape. Dependent on the change in the interlayer distance and pore size, we tested the selectivity and permeation of the membrane. These values are definitely dependent of the interlayer spacing and pore size. The results are very helpful to figure out the exact pathway of the molecules. In addition, we will discuss also other effects to explain more plausibly the permeation mechanism.

Host: Prof. H.G. Park

Gäste sind willkommen!

Weitere Informationen: <http://www.ifd.mavt.ethz.ch/events/ktf/ktf-records.html>
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