List of Publications

Books

Peer Reviewed Publications in International Journals

- G. Raabe, Molecular simulation studies on HFO working fluids and their blends. *STBE* 22 (8), 1077-1089 (2016). (Invited contribution to the STBE special issue: Low GWP Working Fluids.)

**Invited Lectures**


**Conference Contributions and Proceedings**


• G. Raabe and R. J. Sadus, Bond Flexibility in Water and the Prediction of Thermo-Physical Properties; *AIChE Annual Meeting*, Salt Lake City, USA (2010).


• G. Raabe and J. Köhler, Use of ab initio interaction energies for the prediction of phase equilibria in the system nitrogen-ethane. *International Bunsen Discussion Meeting: Global Phase Diagrams*, Walberberg, Germany (2001).


**Final Reports of Research Projects**

• J.-P. Mai, G. Raabe, *Solarfähiges Silizium aus dem Mikrowellenofen (solar capable silicon from a microwave furnace)* DBU-Entwicklungsprojekt Az-28408

• A. Schröder and G. Raabe, *CO₂-Hochtemperaturwärmepumpe großer Leistung mit Ejektor*, Teilvorhaben (Iff): Auslegung und Optimierung des Ejektors, Kreislaufsimulationen (CO₂-high temperature high performance heat pump with ejector, Sub-project: Construction and optimisation of the ejector, system simulations), BMWI joined project 03ET1097B.


• G. Raabe, Development of force field models for alternative refrigerants based on fluoro propane, including HFO-1234yf. DFG-Fellowship RA 946/2-1 (2010).

**Theses**