

Seminar

Thermophysikalische Eigenschaften / Thermophysical Properties

– Winter Term 2021/2022 –

19th October, 2021

Sarah-Lena Steinacker (Bachelor thesis)

Fick Diffusion Coefficients in Binary Mixtures Consisting of n-Hexane or 1-Hexanol with Dissolved Ammonia by Dynamic Light Scattering

26th October, 2021

Tobias Klein

Thermophysical Properties of Liquids with Dissolved Gases as Working Fluids in Chemical and Energy Engineering

2nd November, 2021

Johannes Knorr

Data Evaluation Strategy to Determine Accurate Viscosity and Interfacial Tension Data from Surface Light Scattering Experiments Subjected to Line Broadening Effects

9th November, 2021

Julius Jander

Characterization of Liquid Organic Hydrogen Carriers and Their Mixtures with Hydrogen by Raman Scattering

16th November, 2021

Wenchang Wu

Characterization of Diffusion of Particles in Free Media and Under Confinement by Photon Correlation Spectroscopy

23rd November, 2021

Maximilian Piszko

Mutual and Thermal Diffusivities in Polystyrene Melts with Dissolved Nitrogen by Dynamic Light Scattering

30th November, 2021

Patrick Schmidt

Development of the Shadowgraph Method for the Routine and Accurate Determination of Diffusion Coefficients in Binary Fluid Mixtures

7th December, 2021

Frances Lenahan

The Modeling of Thermophysical Properties of Liquids with Dissolved Gas

14th December, 2021

Julius Kühl (Master thesis)

Measurement of Solubility of Gases in Liquids by the Isochoric Saturation Method and Raman Spectroscopy

21st December, 2021

Ziwen Zhai

Combination of the Surface Light Scattering and Pendant Drop Techniques for the Characterization of Ionic Liquid Surfaces

11th January, 2022

Johannes Wicklein (Master Thesis)

Interfacial Tension and Viscosity of Liquid Organic Hydrogen Carrier Systems Based on Diphenylmethane, Benzophenone, and Biphenyl

18th January, 2022

Tobias Klein

Experimental Investigation of the Condensation Heat Transfer of Hydrocarbon Mixtures on Horizontal Single Tubes and Tube Bundles

25th January, 2022

Presentations within the Seminar “Thermophysical Properties of Working Materials in Energy Technology”

1st February, 2022

Presentations within the Seminar “Thermophysical Properties of Working Materials in Energy Technology”

8th February, 2022

Moritz Linke (Master thesis)

Modellierung und Simulation von neuartigen Adsorptionskältemaschinen

Time: Tuesday at 4:00 p.m.

Place: AOT lecture room, Paul-Gordan-Straße 10, 91052 Erlangen

Important:

For all attendees of the seminar, compliance to the 3G rule and wearing medical or FFP2 masks is mandatory! The 3G status of the attendees can be checked by the AOT-TP staff at any time!

Erlangen, October 13, 2021

Dr.-Ing. Michael Rausch

Prof. Dr.-Ing. habil. Andreas Paul Fröba