# Seminar
# Thermophysikalische Eigenschaften / Thermophysical Properties

– Summer Term 2020 –
updated April 15, 2020

24th March 2020

**Julius Jander** (Master thesis)
*Solubility and density measurements as well as the calibration of Raman spectroscopy for liquid organic hydrogen carrier/hydrogen systems*

26th March 2020

**Manuel Kerscher** (Project summary)
*Thermophysical properties of liquid organic hydrogen carriers (LOHCs) at process-relevant conditions*

24th April 2020, 3:00 p.m.

**Patrick Schmidt** (Master thesis)
*Pendant drop method and rotational viscometry for the determination of interfacial tension and viscosity of liquid organic hydrogen carrier/hydrogen systems*

28th April 2020

**Simon Hahn** (Master thesis)
*Diffusivities in binary mixtures of ionic liquids, n-alkanes, or alcohols with dissolved gases close to infinite dilution by dynamic light scattering*

5th May 2020

**Frances Lenahan** (Project summary)
*Thermophysical properties of long-chained linear and branched alkanes and alcohols by molecular dynamics simulations*

12th May 2020

**Chathura Kankanamge** (Project summary)
*Current developments in electrolytes for use in batteries*

26th May 2020

**Jacqueline Zuber Scott** (Master thesis)
*Versuchsplanung zur grundlegenden Untersuchung der gekoppelten Wärmeübergänge von Kondensation und freier Konvektion in der Kraftwerkstechnik*

**Institute of Advanced Optical Technologies – Thermophysical Properties (AOT-TP)**
Paul-Gordan-Straße 8, 91052 Erlangen, Germany, Tel. +49 9131 85-25877, Fax +49 9131 85-25878, Email aot-tp@fau.de
www.aot-tp.tf.fau.de

2nd June 2020

**Samantha Hanyon** (Master thesis)
*Viscosity and interfacial tension of liquid organic hydrogen carrier/hydrogen systems based on diphenylmethane and its partially and fully hydrogenated derivatives from surface light scattering*

23rd June 2020

**Mireille Makou** (Bachelor thesis)
*Characterization of diffusion processes in particulate systems by dynamic light scattering*

30th June 2020

**Fei Wu** (Master thesis)
*Development of a prediction model for the liquid viscosity and interfacial tension of long-chained hydrocarbon systems and their mixtures with dissolved gases*

7th July 2020

**Maximilian Piszko** (Project summary)
*Further investigations on diffusivities in mixtures of ionic liquids, n-alkanes, or alcohols with dissolved gases close to infinite dilution by dynamic light scattering*

14th July 2020

**Francisco Bioucas** (Project Summary)
*Effective thermal conductivity of dispersions with a liquid continuous phase: Measurement and prediction*

21st July 2020

**Matthias Knoll** (Project Summary)
*Concentration dependence of particle self-diffusivity in unimodal and bimodal suspensions*

Time: Tuesday at 4:00 p.m.
Place: AOT lecture room, Paul-Gordan-Straße 10, 91052 Erlangen

Erlangen, April 15, 2020
Dr.-Ing. Michael Rausch
Prof. Dr.-Ing. habil. Andreas Paul Fröba

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