

Seminar

Thermophysikalische Eigenschaften / Thermophysical Properties

– Summer Term 2024 –

- 16th April 2024 **Wenchang Wu**
Light Scattering Techniques for the Determination of Mass Diffusivities in Molecular and Particulate systems
- 23rd April 2024 **Robin Schönweiß** (Bachelor thesis)
Examination of Ammonia as an Energy Carrier and Working Fluid in Cycle Processes
- 30th April 2024 **Saad Idrees**
Heat Transfer Coefficient during Hot-Stamping
- 7th May 2024 **Gideon Mensah** (Master thesis)
Development of an Optical Setup and an Image Analysis for the Measurement of Contact Angles and Contact Angle Hysteresis of Fluids with Low Surface Tension
- 14th May 2024 **Francisco Berger Bioucas**
Influence of Particle Size and Shape on the Effective Thermal Conductivity of Nanofluids
- 21st May 2024 **Sarah-Lena Steinacker** (Master thesis)
Development of a Methodology and Experimental Setup for the Characterization of Polymer Melts with Dissolved Gases by Conventional and Optical Techniques
- 24th May 2024
Friday at 1.30 p.m. **Manuel Kerscher**
Characterization of Liquids for Hydrogen Storage and Transport by Surface Light Scattering
- 28th May 2024 **Pranay Kumar Chittem**
Determination of Particle Diffusivities in Free Media and under Confinement by Dynamic Light Scattering

- 4th June 2024 **Julius Jander**
*Characterization of Polymer Melts with Dissolved Blowing Agents
by Optical Techniques*
- 11th June 2024 **Julius Kühl**
*Heat Transfer During Zeotropic Mixture Condensation on Single
Tubes and in a Tube Bundle*
- 18th June 2024 **Patrick Schmidt**
*Application of the Shadowgraph Method in Thermophysical
Property Research*
- 2nd July 2024 **Katharina Hahn** (Bachelor thesis)
*Measurement and Prediction of the Effective Thermal Conductivity
of Nanofluids Containing Polymeric Nanoparticles*
- 5th July 2024
Friday at 1.30 p.m. **Maximilian Piszko**
*Dynamic Light Scattering for Simultaneous Determination of
Thermal and Mutual Diffusivities of Fluid Mixtures*
- 9th July 2024 **Presentations within the Seminar “Thermophysical Properties
of Working Materials in Energy Technology”**
- 16th July 2024 **Bara’a Al-Khateeb**
*Measurement of Heat Transfer Coefficients during Dropwise
Condensation of Low Surface Tension Fluids*

Time: Tuesday at 4:00 p.m. (unless stated otherwise above)
Place: Paul-Gordan-Straße 8, 91052 Erlangen

Erlangen, March 26, 2024
Dr.-Ing. Michael Rausch
Prof. Dr.-Ing. habil. Andreas Paul Fröba