

## Seminar

# Thermophysikalische Eigenschaften / Thermophysical Properties

– Winter Term 2023/2024 –

– Updated January 22, 2024 –

**17<sup>th</sup> October, 2023**

**Franz Palm** (Bachelor thesis)

*Untersuchung des Wärmeübergangskoeffizienten bei der Kondensation von Propan und n-Butan an Einzelrohren und im Rohrbündel*

**24<sup>th</sup> October, 2023**

**Anil Köksal** (Master thesis)

*Viscosity and Surface Tension of Isomers of Benzyltoluene and Their Mixtures from Surface Light Scattering and the Pendant-Drop Method*

**31<sup>st</sup> October, 2023**

**Zhou Yang**

*Viscosity and Surface Tension of the Hydrogen Carrier System Based on Aqueous Solutions of Isopropanol and Acetone by Surface Light Scattering*

**28<sup>th</sup> November, 2023**

**Wenchang Wu**

*Light scattering Techniques for the Determination of Mass Diffusivities in Molecular and Particulate Systems*

**5<sup>th</sup> December, 2023**

**Chathura Hewa Kankanamge**

*Influence of the Solvent Characteristics on Mass Diffusion in Electrolyte Systems from Light Scattering Techniques and Molecular Dynamics Simulations*

**12<sup>th</sup> December, 2023**

**Lena Braun** (Master thesis)

*Characterization of 2-Propanol and Acetone in Aqueous Solutions by Light Scattering and Conventional Methods*

**19th December, 2023**

**Ziwen Zhai**

*Influence of Different Gases and Molecular Catalysts on Interfacial Tension and Viscosity of Ionic Liquids*

**9<sup>th</sup> January, 2024**

**Julius Kühl**

*Condensation Heat Transfer on Single Tubes and in Tube Bundles for Binary Mixtures of n-Butane and Propane*

**16<sup>th</sup> January, 2024**

**Xiaohan Huang** (Master thesis)

*Determination of Mutual and Thermal Diffusivities in Binary Hydrocarbon Mixtures by Using the Shadowgraph Method*

**23<sup>rd</sup> January, 2024**

**Denisa Balan** (Bachelor thesis)

*Evaluation of the Droplet Volume in Pendant-Drop Measurements of the Surface Tension of Ionic Liquids and Their Mixtures with Dissolved Gases*

**6<sup>th</sup> February 2024**

**Prof. Dr. Thorsten Pöschel**

*Structure and History of Particle Sediments*

Time: Tuesday at 4:00 p.m.

Place: AOT lecture room, Paul-Gordan-Straße 8, 91052 Erlangen

Erlangen, January 22, 2024

Dr.-Ing. Michael Rausch

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