OS17: Supercritical Fluid

November 19, 2024 CON-2

- OS17-1Fluctuation Analysis and Thermal Conductivity Prediction of Supercritical13:10-13:50Carbon Dioxide by Molecular Dynamics Simulation (Invited)Chenyang Sun (Harbin Institute of Technology, China), Chaofeng Hou, Wei Ge,
 - Lin Chen (Chinese Academy of Sciences, China), Yaning Zhang (Harbin Institute of Technology, China)

OS17-2Analysis of Fluctuations of Supercritical Region CO2 by Small Angle Neutron13:50-14:10Scattering (SANS) Experiments and MD Simulations

- Lichao He (Chinese Academy of Sciences, China), Rui Zhang (University of Chinese Academy of Sciences, China), Yongchang Feng (Chinese Academy of Sciences, China), <u>Lin Chen</u> (Chinese Academy of Sciences / University of Chinese Academy of Science, China)
- OS17-3 The Comparison of Visualization Experiment and Numerical Simulation on 14:10-14:30 High-pressure CO₂ Converging-diverging Nozzle Flow Across the Critical Region

<u>Huimei Wang</u>, Lin Chen (Chinese Academy of Sciences / University of Chinese Academy of Sciences, China)

OS17-4 Kinetics of Methanol/Ethanol Assisted Oxidation of Ammonia in Supercritical 14:50-15:10 Water

Shaoguang Zhang, Jian Yang, <u>Guoxing Li</u> (Chang'an University, China)

- OS17-5Rayleigh-Bénard Convection Onset of Supercritical CO2 inside a Closed15:10-15:30Chamber: Experiments and Numerical Results
 - <u>Rui Zhang</u>, Lin Chen (Chinese Academy of Sciences / University of Chinese Academy of Sciences, China), Yuki Kanda, Atsuki Komiya (Tohoku University, Japan)
- OS17-6 Cancelled

15:30-15:50

OS17-7Mass Transport Evaluation in Supercritical Fluids by Droplet Volume Change15:50-16:10Measurement

<u>Yuki Kanda</u> (Tohoku University, Japan), Lin Chen (Chinese Academy of Sciences / University of Chinese Academy of Sciences, China), Atsuki Komiya (Tohoku University, Japan)