OS17: Supercritical Fluid

November 13, 2025 EX-2

OS17-1 9:20-9:40	Gas-Liquid Crossover and Density Fluctuation Effects in Supercritical Fluid Plasmas (Invited) Hitoshi Muneoka (Tohoku University, Japan)
OS17-2 9:40-10:00	Preliminary Measurements on Supercritical Region CO ₂ Refractive Index and Boundary Film Thickness by Spectroscopic Ellipsometer Huan Liu (Chinese Academy of Sciences / University of Chinese Academy of Sciences, China), Atsuki Komiya (Tohoku University, Japan), Lin Chen (Chinese Academy of Sciences / University of Chinese Academy of Sciences, China)
OS17-3	Pore-Scale Insight into CO ₂ Bubble Morphology and Dissolution Mass Transfer
10:00-10:20	Coupling <u>Yingxue Hu</u> (Xi'an Jiaotong University, China), Yuki Kanda (Tohoku University, Japan)
10:30-10:45	BREAK
OS17-4 10:45-11:05	Experimental and Numerical Analysis of CO ₂ -CO ₂ Jet and CO ₂ -N ₂ Jet Mixing Flows Around the Supercritical Region Xiuben Li, Wangping Xi, Lin Chen (Chinese Academy of Sciences / University of Chinese Academy of Sciences, China)
OS17-5 11:05-11:25	Measurement of High-speed Supercritical CO ₂ Convective Density Field with Local Heat Input from Bottom Side by Pixel-Arrayed Phase-Shifting Interferometer
	Zhaojia Liang, Shiyang Li (Chinese Academy of Sciences / University of Chinese Academy of Sciences, China), Gang Zeng (Chinese Academy of Sciences / Xiangtan University, China), Rui Zhang (Chinese Academy of Sciences / University of Chinese Academy of Sciences, China), Yuki Kanda, Atsuki Komiya (Tohoku University, Japan), Lin Chen (Chinese Academy of Sciences / University of Chinese Academy of Sciences, China)
OS17-6	Interferometric Measurement and Numerical Analysis of Converging-Diverging
11:25-11:45	Channel Flow of Supercritical CO ₂ Zi Xu, Huimei Wang, Lin Chen (Chinese Academy of Sciences / University of Chinese Academy of Sciences, China)
OS17-7 11:45-12:05	Key Evaporation of Composite Fuel Droplets Under Sub-/Supercritical Environment
11.40 12.00	Karim Ragui, Longfei Chen, Wu Huangsai, Wang Lida, Li Guangze (Beihang University, China), Atsuki Komiya (Tohoku University, Japan)