

May 31 (Fri) [10F, SAPIA tower]

9:30 - 9:40	Dan Frost	Introduction Talk
9:40 - 10:20	Rosie Jones	Invited Talk Using noble gases to investigate the Earth's volatile cycles: through measurements and modelling
10:20 - 10:40	Naoko Takahashi	Unusually high Nb/Ta ratio of fluid-precipitated jadeites from New Idria serpentinite body, California: Implications for extreme fractionation during shallow subduction
10:40 - 11:00	Sumith Abeykoon	Single-crystal diamond trap (SCDT) method to determine the composition of fluids at high temperature and high pressure
11:00 - 11:20	Break	
11:20 - 12:00	Tomoki Nakamura	Invited Talk Japanese second sample return mission: Hayabusa2
12:00 - 12:20	Sando Sawa	Strain Localization Bands Developed in Experimentally Created Fine-grained Aggregates
12:20 - 12:40	Serena Dominijanni	Experimental study of the redox conditions in laser heated diamond anvil cell experiments
12:40 - 12:50	Group Photo	
12:50 - 15:30	Lunch + Poster Session [5F, SAPIA tower]	
15:30 - 16:10	Takashi Nakagawa	Invited Talk Deep mantle water cycle and evolution of the surface seawater in plate-mantle system
16:10 - 16:30	Huang Yongsheng	Experimental constraints on the dihedral angle in olivine-H ₂ O-CO ₂ system in subduction zones
16:30 - 16:50	Dmitry Bondar	Water partition between upper mantle minerals and melts
16:50 - 17:10	Break	
17:10 - 17:30	Rong Huang	The effect of Fe-Al substitution on MgSiO ₃ bridgmanite: A single-crystal X-ray diffraction study
17:30 - 17:50	Yuan Liang	Structure of H ₂ O-rich Mg ₂ SiO ₄ melts at high pressure from ab-initio simulations
17:50 - 18:10	Iuliia Koemets	Combination of single crystal X-ray diffraction and Synchrotron Mössbauer Spectroscopy at lower mantle conditions: study of crystal chemistry and compressibility of silicate perovskites at pressures up to 95 GPa
18:10 - 18:30	Marcel Thielmann	Impact of ferropericlasite elongation on lower mantle rheology
18:30 - 20:00	Banquet [5F, SAPIA tower]	