Tuesday, Sep. 25

13:10 - 15:10

PS1-1 **Machiko Shigemi** (National Defense Academy, Japan)
Pressure-Induced Phase Transition Behavior of Ionic Liquid, 1-Butyl-3-Methylimidazolium Hexafluorophosphate

PS1-2 **Daijo Ikuta** (Carnegie Inst. of Washington, USA)
Single-Crystal X-ray Diffraction Study of (Mg, Fe)O at High Pressures

PS1-3 **Nakano Satoshi** (NIMS, Japan)
Structural Analysis of High-Pressure Phases in $LiBH_4$

PS1-4 **Sathish C.I** (NIMS, Japan)
Superconducting and Structural Properties of δ-$MoC_{0.681}$ Cubic Molybdenum Carbide Phase

PS1-5 **Hai Feng** (NIMS, Japan)
High Pressure Crystal Growth, Structure Determination and the Magnetic and Electrical Properties of a New 5d Oxide $Pb_{1.145}CaOsO_6$

PS1-6 **Yuichi Shirako** (Gakushuin Univ., Japan)
Structure Refinement of High-pressure MO_2 (M = Ru, Rh, Os, Ir, and Pt) with PdF2-type Structure

PS1-7 **Akihiko Machida** (JAEA, Japan)
Tetragonal Distortion and Successive Disproportionation Reaction of fcc Lanthanum Dihydride under High Pressure

PS1-8 **Takahiro Kuribayashi** (Tohoku Univ., Japan)
Hydrogen Position Refinement in Super Hydrous Phase B Structure under High-pressure Conditions

PS1-9 **Yuki Nakamoto** (Osaka Univ., Japan)
Structural Phase Transitions and Superconducting Transition of Calcium under High Pressure

PS1-10 **Masafumi Sakata** (Osaka Univ., Japan)
Structure and Transport Property of Potassium under High Pressure

PS1-11 **Kenta Mukai** (Osaka Univ., Japan)
Metallization of Solid Iodine in Phase I

PS2-1 **Oscar Yagafarov** (JAEA, Japan)
Energy Dispersive X-ray Diffraction and Reverse Monte-Carlo Structural Study of Liquid Gallium under Pressure

PS2-2 **Satoru Urakawa** (Okayama Univ., Japan)
X-ray Diffraction Study of Hydrous SiO_2 Glass under Pressure

PS2-3 **Ken-ichi Funakoshi** (JASRI, Japan)
Density and Viscosity Measurements of Liquid Sulfur at High Pressures

PS3-1 **Tetsu Watanuki** (JAEA, Japan)
Intermediate-Valence Yb-based Quasicrystals

PS3-2 **Takahiro Matsuoka** (Osaka Univ., Japan)
Crystal Structural Transformations and Metal-semiconductor Metal Transitions of Dense Lithium

PS3-3 **Toyotaka Osakabe** (JAEA, Japan)
Development and Application of Hybrid Anvil Technique for Single-Crystal Magnetic Neutron Diffraction

PS3-4 **Hiroki Yamauchi** (JAEA, Japan)
Magnetic Properties of HoB_2C_2 under High Pressure: A Single-Crystal Neutron Diffraction Study

PS4-1 **Kamil F. Dziubek** (Adam Mickiewicz Univ., Poland)
High Pressure Diffraction Study of Toluene Pursued in a Collaborative Project

PS5-1 **Helen Maynard-Casely** (Australian Synchrotron, Australia)
High-pressure Diffraction at the Powder Diffraction Beamline, Australian Synchrotron: Applications to Planetary Science

PS5-2 **Taku Okada** (Univ. of Tokyo, Japan)
Pressure Response of Proton Conductivity of H_2O Ice VII

PS5-3 **Hiroshi Fukazawa** (JAEA, Japan)
Properties of Hydrogen-ordered Ices under Pressure

PS5-4 **Kazuhiro Fuchizaki** (Ehime Univ., Japan)
SnI_4 – A Substitute for Examining the Water-Type Polyamorphism

PS5-5 **Hisako Hirai** (Ehime Univ., Japan)
Phase Changes of Filled Ice I_h Methane Hydrate under Low Temperatures and High pressures

PS5-6 **John Tse** (Univ. of Saskatchewan, Canada)
Pressure-induced Amorphization of Methane Hydrate

PS5-7 **Stefan Klotz** (Univ. P. & M. Curie, France)
Freezing of Glycerol-Water Mixtures under Pressure

PS5-8 **Yurina Sekine** (JAEA, Japan)
The Existence of Dense Ferroelectric Ice under High Pressure

PS6-1 **Hiroyuki Saitoh** (JAEA, Japan)
Angle Dispersive X-ray Diffraction Measurements for Synthetic Studies using

Multi-anvil Press

PS6-2 **Naruki Endo** (JAEA, Japan)
Determination of a Phase Diagram of TiH_2 at High Pressures and High Temperatures for Development of Novel Ti-based Hydrides

PS6-3 **Keiki Takeda** (Muroran Inst. of Technology, Japan)
X-ray Study with Synchrotron Radiation for New Skutterudite $GdFe_4As_{12}$ under High Pressure

PS8-1 **Oliver Tschauner** (Univ. of Nevada, USA)
Structure Analysis on Sub-micrometer Scale by Energy-scans: A Novel Opportunity for Mineralogy and High Pressure Science

PS8-2 **Jennifer Kung** (National Cheng Kung Univ, Taiwan)
Elastic Behavior and Lattice Dynamics of Orthoferrosilte ($FeSiO_3$) at High Pressure

PS8-3 **Yuji Higo** (JASRI, Japan)
Development of the Elastic Wave Velocity Measurement Technique by the Ultrasonic Method up to 30 GPa

PS8-4 **Akio Suzuki** (Tohoku Univ., Japan)
The Role of Carbon Dioxide on the Viscosity of Diopside ($CaMgSi_2O_6$) Composition Melt at High Pressure

PS8-5 **John Lazarz** (Northwestern Univ., USA)
Compression Mechanism and Equation of State of Thaumasite to 10 GPa

PS9-1 **Takashi Ikeda** (JAEA, Japan)
Infrared and Raman Spectra of Water under Pressure via First Principles Molecular Dynamics

PS9-2 **Yuta Asano** (Ehime Univ., Japan)
Phase Transition of the Modified Lennard-Jones System

PS9-3 **Yuta Asano** (Ehime Univ., Japan)
Intrinsic Features of the Lennard-Jones System under Pressures

PS10-1 **Asami Sano-Furukawa** (JAEA, Japan)
6-Rams Multi-anvil Press for Neutron Diffraction Experiment

PS10-2 **Akihiro Yamada** (Ehime Univ., Japan)
6-6-type Compression for High-pressure Neutron Diffraction

PS10-3 **Toru Inoue** (Ehime Univ., Japan)
Neutron Camera Test Experiment Installed in J-PARC BL-11 "PLANET" Beamline

PS10-4 **Kazuki Komatsu** (Univ. of Tokyo, Japan)
Developments of a New P-T Controlling System for Neutron Scattering

Experiments

PS10-5 **Yasuo Ohishi** (JASRI, Japan)
New Possibilities of High-Pressure/Low-Temperature Experiments at BL10XU/SPring-8

PS10-6 **Takehiro Kunimoto** (JASRI, Japan)
High Pressure Generation in a Multianvil 6-6 System using Newly-designed Nano-polycrystalline Diamond Anvils

(*) **Poster Presentation Guideline**

Posters will be displayed in the Tokiwa hall (2F) of the venue. The dimensions of the poster board are 800 mm width by 1,100 mm height. Pushpins or tapes fix the poster on the board will be prepared at the desk in the hall.