S6-4 Science and applications of amorphous materials

SHORT DESCRIPTION:

Glass has a strong presence in industry, science and technology. Its applications are extremely diverse, ranging from industrial to cutting edge science. The main theme of this session is glassy materials. The session will cover various topics on glass, including the production of novel glasses, structural analysis of glasses, structural modelling, theoretical approaches, optical- thermal- mechanical- chemical- properties, and the production of industrial glasses. Materials covered include not only traditional oxide glasses but also chalcogenide glasses, oxyhalide glasses, halide glasses, and amorphous materials exhibiting glass transition behavior. Phase transitions such as crystallization, phase separation, and amorphization are also important topics of the session. This session will encourage young glass scientists and present young scientist awards.

SESSION TOPICS:

Amorphous materials
Glasses
Structural analysis
Simulation
Theoretical study
Melt
Crystallization of glass

ORGANIZERS:

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