

## **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:**

**Shingo Nakane, NEG, Japan**

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### **SYMPOSIUM AWARD INFORMATION:**

[Announcement for young scientists (persons aged 35 years or younger)]

With support from industry partners, the session has established the following initiatives for young scientists. The applicants must be the first and presenting authors of the abstracts.

For oral presentation

Encouragement Awards to all young oral presenters

For poster presentation

Young Scientist Poster Awards to recognize outstanding presenters

Multiple presentations are welcomed only when their content is differentiated

The submissions based on previously published work are also acceptable