

12th Japan-China Bilateral Symposium on High Temperature Strength of Materials

August 8-11 2025

August 8 : Reception
August 9-10 : Symposium
August 11 : Technical Tour

Kanazawa, Japan

Call for Papers

<https://hightemp.jsms.jp/JC12th/>

Sponsored by

The Committee on High Temperature Strength of Materials,
the Society of Materials Science, Japan

and

The High Temperature Strength and Materials Committee,
Materials Institution, Chinese Mechanical Engineering Society

The 12th Japan-China Bilateral Symposium on High Temperature Strength of Materials not only welcomes experts and scholars in related fields from Japan and China, but also welcomes those from all over the world.

Objective of Symposium

The 12th Japan-China Bilateral Symposium on High Temperature Strength of Materials will be held at Kanazawa, Japan during 8-11 August 2025. The symposium series was initiated by the High Temperature Strength and Materials Committee, Materials Institution, Chinese Mechanical Engineering Society and the Committee on High Temperature Strength of Materials, the Society of Materials Science Japan. This Symposium is a sequel to the successful meetings of the 1st Japan-China Bilateral Symposium held in **Luoyang**, China, 1992; the 2nd bilateral Symposium held in **Nagaoka**, Japan, 1995; the 3rd held in **Nanjing**, China, 1998; 4th held in **Tsukuba**, Japan, 2001; 5th held in **Xi'an**, China, 2004; 6th held in **Sendai**, Japan, 2007; 7th held in **Dalian**, China, 2010; 8th held in **Asahikawa**, Japan, 2013; 9th held in **Changsha**, China, 2016; 10th held in **Kagoshima**, Japan, 2019; 11th held in **Chengdu**, China, 2023. The purpose is intended to promote academic and technical exchange between Japanese and Chinese scientists, engineers and to strengthen the technical contacts in the field of high temperature strength of materials between the two nearby countries. The main theme of this symposium includes: High Temperature Deformation and Fracture Mechanisms; Deformation and Fracture of Advanced High Temperature Materials Including Intermetallic Alloys, Ceramics and Composites etc.; High Temperature Strength of Electronic Materials; Experimentation at High Temperature; Creep and Fatigue Interaction; Defect Assessment and Life Prediction of High Temperature Materials and Components.

Scope

The organizer invites offers of papers on topics which contribute towards providing improvements in the understanding of the high temperature strength of materials and structures. A non-exclusive listing of relevant topics includes:

- High Temperature Deformation and Fracture Mechanisms.
- Behavior of Superalloys at High Temperature.
- Microstructural Study of Heat-Resistant Materials.
- Superalloys and Composites for High Temperature Use.
- Deformation and Fracture of Advanced High Temperature Materials Including Intermetallics, Ceramics and Composites etc.
- Creep and Fatigue at High Temperatures.
- Creep and Fatigue Interaction.
- High Temperature Damage Analysis and Design Control.
- Defect Assessment and Life Prediction of High Temperature Materials and Components.
- Life Extension of High Temperature Components and Plants.

Venue

Kanazawa Chamber of Commerce and Industry
9-13 Oyama, Kanazawa-shi, Ishikawa, 920-8639 Japan
<https://www.kanazawa-cci.or.jp/rooms/index.html> (in Japanese)

Registration Fee

Normal	60,000 JPY
Students	30,000 JPY
Accompanying person	20,000 JPY

The registration fee covers admission to all technical sessions, lunches, and refreshment breaks each day of the conference, banquet, and conference dinners, and technical tour but not accommodation.

Call for Abstract

Abstracts within 300 words should be submitted by the deadline. The abstract should also contain the Title of the Paper and Author's Name(s). The author's and any co-author's affiliation, and contact details of the corresponding author including address, e-mail, and telephone should be provided.

The official language is English, and authors are kindly requested to submit their papers in English.

Manuscript for Japanese side should be sent to

Prof. Noritake Hiyoshi E-mail: hiyoshin@u-fukui.ac.jp

Manuscript for Chinese side should be sent to

Prof. Shouwen Shi E-mail: swshi@tju.edu.cn

Important Date

Deadline for submission of abstract: **March 31, 2025**
Notification of acceptance: **April 10, 2025**
Deadline for submission of manuscript: **May 20, 2025**
Deadline for registration: **May 20, 2025**

Best Paper Awards

The best paper awards will be set up for young (under 40) authors presented at the symposium.

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Prof. Xu Chen, Tianjin University (China)

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