



# FUSION23

International Conference on Heavy-Ion Collisions at near-barrier energies  
Shizuoka, Japan, 19-24 November 2023

## Third Circular

Dear Colleagues,

After two postponements due to the covid19 pandemic, we are pleased to announce that the eighth international FUSION conference, FUSION23, will be held from November 19th to November 24th, 2023, in Shizuoka City, Japan. Please notice that we have renamed the conference, from FUSION20 to FUSION23.

### Venue

The conference will be held at the Shimizu Terrsa in the Shimizu-area of Shizuoka City, Japan.

<https://www.japanmeetings.org/plan-your-event/venue-search/detail.html?id=335>

### The style of the conference

The conference will be held in a completely in-person style. We will not prepare online equipment.

### Main topics of the conference

- ✓ Fusion dynamics
- ✓ Superheavy elements: Synthesis, structure, and chemistry
- ✓ Fission and quasifission dynamics
- ✓ Transfer reactions and deep-inelastic collisions
- ✓ Near-barrier collisions with weakly bound and unstable nuclei
- ✓ Tunnelling: deep sub-barrier fusion and spontaneous fission
- ✓ Nuclear reactions relevant to astrophysics: fusion, fission, and transfer
- ✓ Theoretical developements in fusion and large amplitude collective motions

- ✓ Accelerators and instrumentation for reactions around the barrier

### **Abstract submission**

Even though we have received an abstract from many of you, we will restart the submission procedure from the beginning. If you would like to give an oral or a poster presentation at FUSION23, please submit a new abstract regardless of whether you submitted an abstract before. Submission instruction can be found on the conference website:

<https://asrc.jaea.go.jp/soshiki/gr/HENS-gr/fusion20/index.html>

The deadline will be April 15, 2023.

Abstracts will be selected for oral and poster presentations. Notification will be sent in early June, 2023 by e-mail.

### **Invited speakers**

Most of invited speakers have been selected for FUSION20, and they will remain as invited speakers for FUSION23 as well.

### **Registration**

We will open the registration site on the conference web page in early June. The registration deadline will be June 30, 2023 (early bird) and August 31, 2023 (regular). Details will be announced later.

### **Important dates (expected):**

April 15, 2023	Submission deadline for abstracts
Early June, 2023	Notification for oral/poster presentations
June 1, 2023	Registration start
June 30, 2023	Deadline for Early bird
August 31, 2023	Deadline for registration
October, 2023	Final circular
November 19-24, 2023	FUSION23

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**Conference Web page:**

<https://asrc.jaea.go.jp/soshiki/gr/HENS-gr/fusion20/index.html>

**Contact information:**

Please direct any correspondence regarding FUSION23 to:

[fusion23@jaea.go.jp](mailto:fusion23@jaea.go.jp)

We look forward to seeing you in Shizuoka in the next November.

Best regards,

The FUSION23 Local Organizing Committee