



FUSION23

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

Fourth 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/search/venue-detail/931.html>

Registration

Registration can be made through the FUSION23 webpage:

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

or

<https://amarys-jtb.jp/fusion23/>

The registration deadline is July 31, 2023 (early bird) and October 13, 2023 (regular).

Important dates (Japan time zone, JST) concerning the registration and registration fees

- Early-bird registration: Open - July 31, 2023
Faculty/Postdoc: 55,000 JPY
Student: 30,000 JPY
Accompanying person: 30,000 JPY
- Regular registration: Aug. 1, 2023 – October 13, 2023
Faculty/Postdoc: 65,000 JPY
Student: 30,000 JPY
Accompanying person: 30,000 JPY
- Closing of registration: October 13, 2023
Cancellation fee: 0%* until October 13, 2023
100% from October 14, 2023

* except for commission charges regarding your credit-card company

Important dates

- | | |
|------------------------|---------------------------|
| ✓ June 23, 2023 | Registration start |
| ✓ July 31 2023 | Deadline for Early bird |
| ✓ October 13, 2023 | Deadline for registration |
| ✓ October, 2023 | Final circular |
| ✓ November 19-24, 2023 | FUSION23 |

Accommodations

Many hotels are available in the JR-Shizuoka station. Also, several hotels can be found in JR-Shimizu station (the closest to the conference venue). You may reserve hotels through the registration site. For more details, please see the instruction of registration in the next page.

Travel Information

The closest major international airports are Tokyo-Haneda, Tokyo-Narita, Osaka-Kansai, and Nagoya-Chubu. There is also a small international airport in Shizuoka.

The city of Shizuoka can be reached by a Shinkansen superexpress train of Tokaido Line either from Tokyo or from Osaka or Nagoya. It stops at the JR-Shizuoka station. **Note that there are three different type Shinkansen in Tokaido Line: "HIKARI", "KODAMA", and "NOZOMI". Do not use "NOZOMI" that does not stop at the Shizuoka station.** To reach the conference venue, take the train of the Tokaido-line from the JR-Shizuoka station and get off at the JR-Shimizu station. The JR-Shimizu station is the third station from the Shizuoka station, and it takes about 10 minutes by train from the JR-Shizuoka station.

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 developments in fusion and large amplitude collective motions
- ✓ Accelerators and instrumentation for reactions around the barrier

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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

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

Best regards,

The FUSION23 Local Organizing Committee