



FUSION20

International Conference on Heavy-Ion Collisions at Near-barrier Energies
Shizuoka, Japan, 15-20 November 2020

First Circular

Dear Colleagues,

The eighth international FUSION conference, FUSION20, will be held from November 15th to November 20th, 2020, in Shizuoka City, Japan.

Scientific program:

FUSION20 will follow in the tradition of the FUSION conference series and cover a wide range of topics related to near-barrier nuclear reactions.

The following topics will be covered:

- ✓ 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

Conference venue:

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

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

The venue is located within the walking distance from the JR-Shimizu Station, which is about 10 minutes by train from the JR-Shizuoka station where the Shinkansen superexpress trains stop.

Registration, abstract submission, and proceedings:

The registration and abstract submission dates will be announced in a future circular. Refereed conference proceedings will be published.

Social Activities:

On Sunday evening, 15 November 2020, a welcome reception will be held in the restaurant in the Shimizu Terrsa for all guests. The conference excursion will be held in the afternoon of Wednesday, November 18, 2020, followed by the conference banquet in the evening.

Conference Web page:

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

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 either from Tokyo or from Osaka or Nagoya. It stops at the JR-Shizuoka station. To reach the conference venue, change the train 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.

Accommodation:

Many hotels are available in the area of JR-Shizuoka station. Also, several hotels can be found in the area of JR-Shimizu station (closest to the conference venue).

More information will be given in the second circular.

International Advisory Committee:

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Local Organizing Committee:

Co-chairs: K. Hagino (Kyoto), K. Nishio (JAEA)

Scientific Secretaries : K. Hirose (JAEA), Y. Ito (JAEA), F. Minato (JAEA), F. Suzuki (JAEA)

Contact information:

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We look forward to seeing you in Shizuoka.

Best regards,

The FUSION20 Local Organizing Committee