



The 12th International Conference on Clustering Aspects of Nuclear Structure and Dynamics

June 22-26, 2020 Dubna, Russia

1st Circular

The 12th International Conference on Clustering Aspects of Nuclear Structure and Dynamics will be held in **Dubna** (Russian Federation) on **June 22-26, 2020**. It will continue the tradition of International Conferences on Nuclear Cluster Physics started in 1968 with the Bochum Conference. In the following details on the Organization of the Conference, the Abstract Submission, the Accommodation and the Fees are given. Further details will be given in the 2nd Circular, scheduled for January 2020.

1-Venue. The Conference will be held at the [Congress Center of the Special Economic Zone "Dubna"](#) (141983, Moscow region, Dubna, street Programmers, 4) in a **town** of nuclear science, **Dubna** founded immediately after the end of World War II in 1947 for scientific nuclear research on the bank of the Volga river, 120 km from Moscow.

2-Topics. The main topics of the Cluster '20 Conference are the following:

- *Cluster structure in stable and unstable nuclei*
- *Clustering in exotic nuclei, nuclear molecules and few-cluster systems*
- *Clustering aspects of nuclear reactions*
- *Symmetries and clustering*
- *Clustering in nuclear matter and neutron stars*
- *Nuclear fission, superheavy nuclei, cluster decay*
- *Cluster physics and nuclear astrophysics*
- *Analogues of nuclear clustering in quark and atomic systems*
- *Clustering in hypernuclei*
- *Selected applications of clustered nuclei*

3-Contributions. We plan to have four different types of contributions at the Cluster '20 Conference:

- *Invited talk.* Speakers will be suggested by the members of the International Advisory Committee, and will cover the main topics of the conference.
- *Oral contributions in Plenary and Parallel Sessions.* The abstract submission procedure will be available at the Conference website from January 1, 2020.
- *Posters.* The submission procedure will be available on the Conference website from January 1, 2020. A dedicated poster session will be part of the conference program.

Contributions discussing the most recent (even preliminary) results on Experimental and Theoretical aspects of Nuclear Cluster Physics are very much welcome. At the same time, we strongly encourage young researchers to submit abstract on their research activity.

4-International Advisory Committee (IAC). The Members of the International Advisory Committee of the Cluster'20 Conference are: Y. Abe (Osaka, Japan), D. Baye (Bruxelles, Belgium), C. Beck (Strasbourg, France), S. Bhattacharya (Kolkata, India), A. Bracco (Milano, Italy), J. Cseh (Debrecen, Hungary), M. Dasgupta (Canberra, Australia), A. Fomichev (Dubna, Russia), M. Freer (Birmingham, United Kingdom), M. Fujiwara (Osaka, Japan), M. Gai (UConn, United States), M. Harakeh (Groningen, Netherlands), H. Horiuchi (Osaka, Japan), N. Itagaki (Kyoto, Japan), M.G. Itkis (Dubna, Russia), B. Jonson (Goteborg, Sweden), T. Kajino (Tokyo, Japan), Y. Kanada-En'yo (Kyoto, Japan), N. Lo Iudice (Napoli, Italy), M. Milin (Zagreb, Croatia), A. Moro (Sevilla, Spain), T. Neff (Darmstadt, Germany), Y.T. Oganessian (Dubna, Russia), P. Papka (Stellenbosch, South Africa), D. Poenaru (Bucarest, Romania), Z. Ren (Nanjing, China), G. Rogachev (College Station, United States), K. Rusek (Warsaw, Poland) P. Schuck (Orsay, France), A. Tumino (Enna, Italy), E. Vardaci (Napoli, Italy), F.S. Zhang (Beijing, China)

5-Finances. The conference fee will cover lunches from June 22 (Monday) to June 26 (Friday), two daily coffee breaks, a Welcome Party on the evening of June 22 (Monday), the Social Dinner on June 25 (Thursday), the Social excursion on June 24 (Wednesday) afternoon. We are also organizing a dedicated transportation system from the airport (Sheremetyevo – is strongly recommended) to Dubna (Hotel of the Congress Center of the Special Economy Zone “Dubna”, and hotel “Dubna”), that will be active all the day on June 21 (Sunday). The fees are as it follows:

- 490 € for payments before March 29.
- 550 € for payments before May 15.
- 150 € for accompanying person.

Fees cannot be paid at the Conference Desk. We plan to open the Registration phase on December 1, 2019. Participants can register by filling the registration form posted on the Conference Website <https://indico.jinr.ru/event/1026/>. The fee for accompanying person will cover transportation, social excursion, welcome cocktail, and social dinner.

6-Deadlines. A preliminary list of deadlines of the Cluster '20 Conference is the following (some small modifications may occur; updates will be available in the Conference website <https://indico.jinr.ru/event/1026/>):

- Abstract Submission Open: 1/12/2019.
- Abstract Submission Closed: 15/02/2020
- Invited Speaker List: 29/02/2020.
- Decision on Abstract Acceptance (Oral/Poster): 15/03/2020.
- Registration Opening : 1/12/2019.
- Early Fee Payment: 29/03/2020.
- Late Fee Payment: 15/05/2020.
- Registration Closing : 15/05/2020.
- Conference Opening : 22/06/2020.
- Manuscript Submission Closed: 31/07/2020.

7-Accommodation. Participants to the Cluster '20 Conference are strongly encouraged to use our Accommodation Service (available on the Conference Website) to book Hotel for their stay in Dubna. Please, take into account that there are very few Hotels in Dubna and number of rooms is limited. Therefore, we advise to make hotel reservation as early as possible.

8-Social Program. *The Social Excursion* (on Wednesday, June 24, in the afternoon): Therefore Dubna is relatively young city, it is surrounded by cities with deep and rich history. We plan to visit one of them, Sergiev Posad. Sergiev Posad, the closest to Moscow of all the ancient towns on the Golden Ring with a long history that dates back to the 14th century. Tartar yoke, Andrey Rublev and Dmitry Donskoy, the duel between Peresvet and Chelubey, Minin and Pozharsky, Peter I and Savva Mamontov - all these great people and events are more or less related with Sergiev Posad. The most significant iconostasis of the Lavra was created by the famous Russian icon painters Andrey Rublev and Daniil Cherniy.

For the accompanying person the Organizing committee provides information for visiting places of interest in Moscow and Moscow Region.

The Welcome Cocktail and the Social Dinner will be at the [Congress Center of the Special Economy Zone "Dubna"](#).

9-Proceedings. Proceedings related to Invited, Oral and Poster presentations will be published in a peer - reviewed journal. Details will be given in the Second Circular.

10-Contacts. For further information, please contact us at the conference e-mail:
cluster20@jinr.ru

Second Circular: January, 2020 (expected)