

**International Conference
Nuclear Theory in the Supercomputing Era – 2024 (NTSE–2024)**

Dedicated to the memory of Prof. Ruprecht Machleidt

Busan, Republic of Korea, December 1 – 7, 2024

Conference web site: <https://indico.ibs.re.kr/event/638/>

This is the second circular of the International Conference “Nuclear Theory in the Supercomputing Era NTSE–2024”. The Conference will be held at the Auditorium (Room 201) of Natural Science Bldg. (B15), Pukyong National University, Busan, Republic of Korea, from December 1st through December 7th, 2024. Sunday, December 1st is reserved for arriving and reception, the scientific program will run from December 2nd to December 6th. Saturday, December 7th is allocated for free discussions and departure.

The conference is hosted by Center for Exotic Nuclear Studies, Institute for Basic Science. It is partially supported by Center for Extreme Nuclear Matter, Korea University.

NTSE-2024 is the eighth in a series of international conferences that was initiated with HITES-2012 and NTSE-2012. Subsequently, the series continues with the NTSE title. The conference focuses on forefront challenges in physics, namely the fundamentals of nuclear structure and reactions, the origin of the strong inter-nucleon interactions from QCD, and computational nuclear physics with leadership class computer facilities to provide forefront simulations leading to new discoveries. The NTSE-HITES conferences are aimed to bring together nuclear theorists, computer scientists and applied mathematicians. Previous NTSE-HITES conferences:

- NTSE-2023: June 4–6, 2023, Institute of Modern Physics Chinese Academy of Sciences, Lanzhou, China
- NTSE-2020: October 19–23, 2020, Indian Institute of Technology Roorkee, Roorkee, India (postponed)
- NTSE-2018: October 29 – November 2, 2018, Institute for Basic Science, Daejeon, Republic of Korea
- NTSE-2016: September 19–23, 2016, Pacific National University, Khabarovsk, Russia
- NTSE-2014: June 23–27, 2014, Pacific National University, Khabarovsk, Russia
- NTSE-2013: May 13–17, 2013, Iowa State University, Ames, Iowa, USA
- NTSE-2012: June 18–22, 2012, Pacific National University, Khabarovsk, Russia
- HITES-2012: June 4–7, 2012 New Orleans, Louisiana, USA

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General Information

The working language of the Conference is English.

There is no conference fee. We will provide coffee breaks, Welcome dinner and Banquette for participants and accompanying persons using funds from sponsors.

Please, take a look on the conference web page <https://indico.ibs.re.kr/event/638/> for updates in the Program and other events.

Proceedings

Proceedings will be published in **Journal of Subatomic Particles and Cosmology** (Publisher: Elsevier). There is no publishing fee. The deadline for manuscript submission will be announced in the first week of December 2024.

Accommodations

There are ample of reasonable hotels near the Haeundae beach which is close to the conference venue (17 minutes from Haeundae subway station to Kyungsung Univ. / Pukyong Nat'l Univ. subway station).

Transportation

To Busan

If you want to use high speed train (KTX) for coming to Busan from Seoul, the Organizing Committee recommend to use <https://www.trip.com/> website for buying tickets. The Organizing Committee strongly recommend to buy railway tickets in advance.

To conference venue

You can use subway for coming to conference venue. The closest subway station for conference venue is Kyungsung Univ. / Pukyong Nat'l Univ., gate #3. The way to conference venue from Haeundae subway station requires 17 min in subway plus 15 min on foot.

If you like to use taxi, please show the following text in Korean to explain taxi driver where you go:

* Please take me to Natural Science Building in Pukyong National University.

'부경대학교(대연캠퍼스) 자연과학 1 관 (B15 동)'으로 가주세요.

Please see the supplemented file "How_to_move_in_Busan.pdf" and conference webpage for details.

Welcome dinner

Sunday evening (December 1st), we will have Welcome dinner at "The Party Haeundae" restaurant. This restaurant is located at Haeundae area.

Date, time: December 1st, Sunday, 19:00

Address: 24, Haeundaehaebyeon-ro 298beon-gil, Haeundae-gu, Busan (B1 floor)

This restaurant is on walking distance from hotels in Haeundae area. But if you needed the taxi, you can use the following text in Korean for taxi driver for explaining where you go:

* Please take me to The Party Haeundae.

'더파티 해운대'로 가고 싶습니다. (부산광역시 해운대구 해운대해변로 298 번길 24 팔레드시즈 지하 1 층)

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Banquet

There will be Banquet after Tuesday (December 3rd) program at "Goban Restaurant". Restaurant is located at Haeundae area.

Date, time: December 3rd, Tuesday, 19:00

Address: 16, Gunam-ro 12beon-gil, Haeundae-gu, Busan

This restaurant on walking distance from hotels in Haeundae area. But if you needed the taxi, you can use the following text in Korean for taxi driver for explaining where you go:

* Please take me to Goban Restaurant.

'고반식당 해운대점'에 가고 싶습니다. (부산광역시 해운대구 구남로 12 번길 16 1 층)

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Contacts

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