

First Circular

The Fifth Asia-Pacific Conference on
Few-Body Problems in Physics 2011
Seoul, Korea, August 22-26, 2011

Background

Few-body physics spans wide range phenomena in various fields of physics such as particle and nuclear physics, molecular and atomic physics, chemical physics, mathematical physics, and computational physics. In particular, recent developments in accelerator and detector technologies open a new era for measuring a great amount of observables with unprecedented accuracy, which were previously not accessible. On the other hand, new theoretical methods and computational equipments have been developed and elaborated, which enables us to understand all these few-body phenomena in a deeper level. In this respect, it is essential that all such experimental and theoretical efforts merge together to bring out fruitful results and novel ideas in this discipline.

The conference was initiated in the Asia-Pacific area as a counterpart to the successful European Conference of Few-Body Problems in Physics, in addition to the International Few-Body Conference Series and the Few-Body Gordon Conference series in North America. Following the success of the first conference, APFB99, held in Japan 1999, the second in China 2002, the third in Thailand 2005, and the fourth in Indonesia 2008, we are pleased to inform you that the fifth conference, APFB11, will be held in Seoul, Korea, from August 22 to August 26, 2011.

Objectives

The Fifth Asia-Pacific Conference on Few-Body Problems in Physics aims at bringing together theoretical and experimental physicists who are investigating few-body aspects of the above-mentioned physics fields. This will also provide an opportunity for them to present new results and techniques, and borderless discussions among participants including beginning researchers and experts, so that they are stimulated and inspired for future research in their own fields.

Topics

The Scientific program of APFB11 will span the following topics:

- Few-hadron systems and their interactions
- Hadron structure and QCD
- Exotic hadrons and atoms
- Hadrons, few-body problems and nuclear matter from holographic QCD
- Effective Field theory in few-body physics

- Few-body approaches to structure of light nuclei and hypernuclei
- Few-body systems near stability and their interactions
- Symmetries and symmetry breaking
- Electroweak interactions in few-hadron systems
- Atomic and molecular systems
- Others

Conference Venue

The conference will be held in the Seoul Campus of Sungkyunkwan University, Seoul, Korea. The Seoul Campus of Sungkyunkwan University has an excellent location close to a popular district and historic cultural hub in Seoul, Korea. Sungkyunkwan University was founded in 1398 as the highest national educational institute in the early years of the Joseon Dynasty in Korea. As the oldest university in East Asia, it has fostered leaders of our society for over 600 years. Moreover, it is surrounded by many cultural environments and historical places.

Conference Date

The APFB 2011 will start on August 22 (Monday), 2011, with the opening ceremony in the morning, and will close on August 26 (Friday), 2011.

Conference Fees

Conference fees include the banquet, coffee breaks, excursion, and proceedings.

- Early registration: 300 USD (Student: USD 200)
- On-site registration: 400 USD (Student: USD 250)
- Excursion for companions: 100 USD
- Banquet for companions: 100 USD

Conference Proceedings

The conference proceedings will include the contributions from the invited speakers and selected papers as well as single-page summaries of posters. It will be published as a special issue either of the Modern Physics Letters A or of the Journal of Korean Physical Society.

Registration and Contribution

Registration must be completed on-line at
<http://apctp.org/conferences/2011/APFB2011/> (not activated yet).

Contribution abstracts should be submitted no later than April 01, 2011 via the conference home page. Part of the received contributions will be selected for oral presentation. Those not being selected will be recommended for poster presentations.

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