

The First Announcement

The 5th China-Japan-Korea Joint Seminar on Atomic and Molecular Processes in Plasma (AMPP2014)

Jul. 28 – Aug. 1, 2014, Lanzhou, China

The seminar is scheduled as one of the academic activities of the project which entitled “Study on critical physics issues specific to steady state sustainment of high-performance plasmas” under the China-Japan-Korea A3 Foresight Program. The seminar will be organized for discussions on the atomic and molecular processes related to the plasma physics and also on the plasma analysis in close relation to the atomic and molecular physics. This seminar is an extension of the last four seminars which were also held by Northwest Normal University at Lanzhou in March 2004, Dunhuang in October 2007, Xian in October 2009, and Lanzhou in July 2012.

➤ **Scope of the Seminar**

In the laboratory and astrophysical plasmas, a variety of atomic processes exists such as photo-excitation and ionization, electron-impact excitation and ionization, heavy particle impact excitation, ionization and charge transfer, etc. The knowledge of these atomic processes is essential for the simulations and diagnostics on plasma properties. This joint seminar provides a chance for the researchers, who are working in the fields of atomic and molecular physics and plasma physics, to exchange their recent progress and discuss the future collaborations.

The seminar will include the following subjects for discussion:

1. Spectroscopic properties of atoms and molecules in plasma
2. Atomic collision dynamics in plasma
3. Plasma simulation and diagnostics
4. Atomic and molecular process in boundary plasmas and erosion dynamics in plasma wall interaction
5. Atomic and molecular data assessment and database construction

➤ **Scientific Sessions and Publication of the Proceedings**

1. All the participants who give a contribution are kindly requested to give an oral presentation for about 35 minutes; 25-30 minutes will be for talk, and 5-10 minutes for discussion.
2. We will supply the high-definition projector connected with laptop. A Windows-based laptop with Acrobat Reader and Microsoft PowerPoint 2007 is available. The participant is requested to supply their presentation material by CD-ROM or flash disk.
3. The contributions to this seminar will be published as one of the issues in the NIFS Research Report series. The details of the instruction for the submission will be announced at the seminar.

➤ **Registration and Fee**

It is recommended that you should contact with the Seminar Secretary or the Chairman of the seminar. We will make reservation of the hotel for all participants. The local committee will arrange some local colleagues and a small bus to meet the participants in the airport in Jul. 28, 2014 .

The fee for full registration attendee is CNY 2,500. It includes: full access to all the Scientific Program, book of abstracts, tea/coffee breaks, conference receptions and shuttle bus to the airport. The fee for student attendee is CNY 1,700. The fee for accompanying person is CNY 1,200. The payment can ONLY be made by CASH. It is also convenient to take cash from the ATM by Visa/Master Card.

➤ Important Date

Jun. 10, 2014: If you are interested in this seminar, please contact the Seminar Secretary (dingxb@nwnu.edu.cn) before this date. If you would like to attend the seminar, it's better to tell us the tentative title of your talk or abstract even the manuscript.

Jul. 5, 2014: The deadline for submission of abstract. The abstract template will be available soon.

➤ Contact Information

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