

## **The First Announcement**

# **The 4<sup>th</sup> China-Japan Joint Seminar on Atomic and Molecular Processes in Plasma (AMPP2012)**

**Jul. 30 – Aug. 4, 2012, Lanzhou, China**

The seminar is scheduled as one of the activities entitled “Atomic and molecular processes in plasma” under the Core University Program (CUP) between China and Japan. 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 three seminars those were also held by Northwest Normal University at Lanzhou in March 2004, Dunhuang in October 2007, and Xian in October 2009.

### **➤ Scope of the Seminar**

In the laboratory and astrophysical plasmas, there exist a variety of atomic processes 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 40 minutes; 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. If you would like to use the conventional Overhead Projector (OHP), please let us know as early as possible.
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.
4. Selected papers of the contributions will be organized to submit to the relevant international journal. The details will be announced at the seminar.

### **➤ Registration and Fee**

It is recommended that you should pre-register in the conference pre-register system. If you pre-registered, we can contact you conveniently. Only on-site registration is possible, the registration fee will be charged in Chinese Yuan (CNY).

The fee for full registration attendee is CNY 3,000. It includes: full access to all the Scientific Program, book of abstracts, tea/coffee breaks, and conference receptions. The fee for student attendee is CNY 1,500. The fee for accompanying person is CNY 1,000. The payment can ONLY be



The landscape of Lanzhou City.

made by CASH. It is also convenient to take cash from the Automatic Teller Machine (ATM) by Visa/Master Card.

#### ➤ **Social program**

Lanzhou is the capital of Gansu Province which located in the geometric center of China's Land territory. The Yellow River runs through the Lanzhou city from the west to the east. Lanzhou used to be a key point on the ancient Silk Road. Along the Yellow River, it integrated with the Silk Road culture, the Yellow River culture. The Gansu museum, which is located about 7 km from Northwest Normal University, has nice presentation for these different cultures. Along the Yellow River, the sheepskin rafts and water wheel are the most attractive sightseeing. As an important transport city, Lanzhou with Maiji Caves to the east, Bingling Thousand Buddha Caves to the west, Labrang Monastery to the south and Dunhuang Mogao Caves to the north.

The Labrang Monastery is located at the foot of the Phoenix Mountain northwest of Xiahe County in Gannan Tibetan Nationality Autonomous Prefecture, Gansu Province. It is one of the six great monasteries of the Geluk (Yellow Hat) school of Tibetan Buddhism. The monastery was built in 1710 by Jiamuyang, the first Living Buddha, and now it is the largest cultural center of the Tibetan Buddhism in Gansu, Qinghai and Sichuan provinces after being built and rebuilt by the Living Buddhas of the ages.

#### **Contact**

Prof. Dr. Dong Chenzhong  
Email: [dongcz@nwnu.edu.cn](mailto:dongcz@nwnu.edu.cn)  
Phone: +86-(0)931-7971148, 7971503  
Fax: +86-(0)931-7971277  
Mail: Northwest Normal University,  
Anning East Road 967, Anning, Lanzhou  
730070 China

Prof. Dr. Fumihiko Koike  
Email: [koikef@kitasato-u.ac.jp](mailto:koikef@kitasato-u.ac.jp)  
Phone: +81-(0) 42-778-9225, 8029  
Fax: +81-(0) 42-778-8441  
Mail: Kitasato University, Kitasato  
1-15-1 Sagamihara  
228-8555 Japan

#### **Seminar Secretary**

Dr. Ding Xiaobin  
Email: [dingxb@nwnu.edu.cn](mailto:dingxb@nwnu.edu.cn)  
Alternative Email: [ding.xiaobin2004@gmail.com](mailto:ding.xiaobin2004@gmail.com)  
Phone: +86-(0)931-7971148

**For more information, please visit:** <http://ampp.nwnu.edu.cn/>