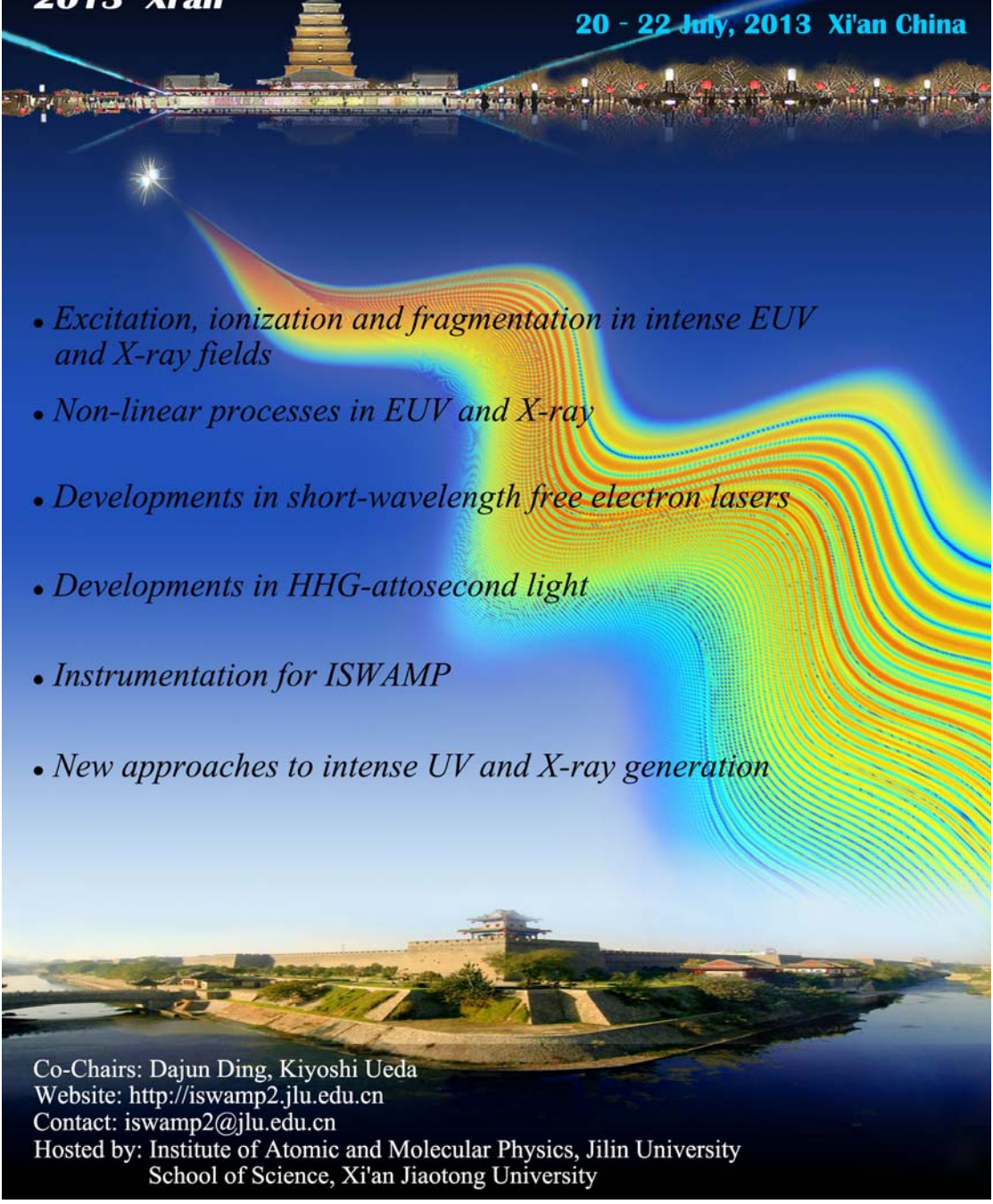


**ISWAMP**  
2013 Xi'an

**Intense field, Short Wavelength Atomic  
and Molecular Processes -2**

20 - 22 July, 2013 Xi'an China

- 
- *Excitation, ionization and fragmentation in intense EUV and X-ray fields*
  - *Non-linear processes in EUV and X-ray*
  - *Developments in short-wavelength free electron lasers*
  - *Developments in HHG-attosecond light*
  - *Instrumentation for ISWAMP*
  - *New approaches to intense UV and X-ray generation*

Co-Chairs: Dajun Ding, Kiyoshi Ueda

Website: <http://iswamp2.jlu.edu.cn>

Contact: [iswamp2@jlu.edu.cn](mailto:iswamp2@jlu.edu.cn)

Hosted by: Institute of Atomic and Molecular Physics, Jilin University  
School of Science, Xi'an Jiaotong University





## **International Advisory Board**

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## An Invitation for ISWAMP2

Dear Colleagues,

You are cordially invited to participate in the second international workshop on Intense field, Short Wavelength Atomic and Molecular Processes (ISWAMP-2), which will be held on July 20-22, 2013 in Xi'an, China.

ISWAMP-2 is expected to attract AMO scientists from all over the world, who are working at EUV and X-ray FELs and in the relevant theoretical fields, providing a forum for this growing community of people. It will also be a forum for theoretical and experimental methods, novel results and applications of high harmonic generation (HHG) and attosecond science, which will open new ideas for intense UV and X-ray sources. The small-scale format of around 100 participants will be retained in order to facilitate exchanges and informal discussions among participants.

We are delighted and honored to host this workshop in Xi'an during the coming summer, and we look forward to welcoming you!

With our best regards,

**Prof. Dr. Dajun Ding**

Co-Chair of the ISWAMP-2

and Chairman of the ISWAMP-2 Local Organizing Committee

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Co-Chair of the ISWAMP-2

Institute of Multidisciplinary Research for Advanced Materials (IMRAM), Tohoku University, Japan

Tel: +81-22-437-5381

Email: [ueda@tagen.tohoku.ac.jp](mailto:ueda@tagen.tohoku.ac.jp)



## GENERAL INFORMATION AND DEADLINES

### • Scope and Program

The second international workshop of Intense field-Short Wavelength Atomic and Molecular Processes (ISWAMP-2) will be held in Xi'an (China), July 20-22, 2013. The international ISWAMP-2 meeting will bring together researchers working with short wavelength sources of radiation to study atomic and molecular processes using intense fields and/or ultrashort time-scales. The workshop will include talks and posters on recent scientific and technical developments in the rapidly developing fields of x-ray free electron lasers, extreme ultraviolet radiation, high harmonic generation and attosecond science.

#### The following topics are planned:

1. Excitation, ionization and fragmentation in intense EUV and X-ray fields
2. Non-linear processes in EUV and X-ray
3. Developments in short-wavelength free electron lasers
4. Developments in HHG-attosecond light sources
5. Instrumentation for ISWAMP
6. New approaches to intense UV and X-ray generation

Find further details at <http://iswamp2.jlu.edu.cn>.

### • About Xi'an City

Xi'an, located in central-northwest China, records the great changes of the country just like a living history book. It is the capital of Shaanxi province, a sub-provincial city and one of the oldest cities in China, with more than 3,100 years of history. The city was known as Chang'an before the Ming Dynasty (1368-1644). Xi'an also is one of the Four Great Ancient Capitals of China, having held the position under several of the most important dynasties in Chinese history, including Zhou, Qin, Han, Sui, and Tang. Xi'an is the eastern terminus of the Silk Road and home to the Terracotta Army (7,000 terracotta statues of Qin Bingmayong Bowuguan warriors and soldiers, dating from 210 BCE, were discovered in 1974, and are still being excavated). And this city also is an important cultural, industrial and educational centre of the central-northwest region. There are a few famous universities and institutes for research and development, national security and China's space exploration program. It's now one of the most populous metropolitan areas in inland China with more than 8 million inhabitants.



- **Deadlines**

<i>Items</i>	<i>Date</i>
Abstract Submission	1 May 2013
Early registration	15 May 2013
Cancellation of Registration	14 June 2013
<b>Hotel Reservation</b>	14 June 2013

- **Website**

<http://iswamp2.jlu.edu.cn>

- **Contact**

**Ri Ma or Dajun Ding**

The Institute of Atomic and Molecular Physics, Jilin University  
Room 328, C Area Physics and Chemistry Building, Qianjin Avenue,  
Changchun, Jilin Province, 130012, P.R.China

**E-mail:** [iswamp2@jlu.edu.cn](mailto:iswamp2@jlu.edu.cn) , [rma@jlu.edu.cn](mailto:rma@jlu.edu.cn) or [dajund@jlu.edu.cn](mailto:dajund@jlu.edu.cn)

**Tel:** 86-431-8516-8819 or 86-15164389003

**Fax:** 86-431-8516-8816



## REGISTRATION

All participants, including invited speakers and chairpersons, are required to register for ISWAMP-2 through the online registration system available on the conference website section “[Registration](#)”. The registration links directly to the payment website. Online registration accepts payment only with credit/debit cards issued by Visa, MasterCard, American Express, JCB, or UnionPay cards. The online registration system will be available after April 1, 2013.

**The conference registration is only valid upon payment.**

In case of difficulty with the registration website, please contact the Conference Office, [iswamp2@jlu.edu.cn](mailto:iswamp2@jlu.edu.cn).

### • Registration Fees

Fees are as follows (in Chinese Yuan, CNY):

Participation	Registration Fee	Accommodation	Tour Fee	Banquet
	Before/ After May 15			
Regular Participant	2200/2800CNY	560CNY(twins)	420CNY	320CNY
Student Participant	1400/1800CNY	230CNY(twins)	420CNY	320CNY
Accompanying Person	150CNY		420CNY	320CNY

The above-mentioned fees include supplement for credit or debit card payment (3%).

- The registration fee includes the meeting material printing costs, venue rental, coffee breaks, welcome reception *etc.* The cost of the conference banquet is NOT included in the registration fee and should be purchased separately.
- Participants should register as early as possible to insure normal price for your registration and accommodation.
- The Accompanying Person fee includes the welcome reception. Children 12 years of age and under are free for that.
- Please keep a copy of your proof of payment in case of dispute.

### • Payment

Visa, MasterCard, American Express, JCB, and UnionPay cards are all accepted. The credit card number and expiration date should be provided to the online registration system. The credit card will be charged immediately when processing the online registration. Charges will appear on your statement as PayEase which is a third-party online payment platform.

#### **\*Cancellation and Refund Policy**

Cancellations must be submitted in writing to the Conference Office. A cancellation



fee in the amount of about CNY 300 will be charged for cancellation requests received before 14 June, 2013. After 14 June, 2013 the conference fee will not be refunded, even in the case of non-participation.

For cancellation of hotel reservations, please see the information under Accommodations.

All cancellation requests must be processed by the Local Committee of ISWAMP-2. Upon receipt of your request the Local Committee will inform you of the status of your request. Refunds are expected to take 7-30 days to process.

## VISA AND TRAVEL AUTHORIZATION

Conference participants from most countries will be required to obtain a visa to enter China. Participants can apply for a Chinese visa through a travel agency or directly at their local Chinese embassy or consulate. Participants are strongly recommended to consult their local Chinese Embassies or Consulates for the most current requirements and those specific to their situation and to apply for their visas as early as possible.

If an invitation letter is required to secure a visa in your situation please request one from the conference organizers at [iswamp2@jlu.edu.cn](mailto:iswamp2@jlu.edu.cn).

## Further Information

### • On-site Registration and Information Desk

The registration desk at the Conference Center will be open on Friday, 19 July from 13:00 to 21:00 and on Saturday morning (20 July), from 08:00 to 10:00. On-site registration is possible with payment of the registration fee in cash (CNY only). For late arrival, please contact the conference organizers for registration.

### • Lunch and Dinner

Lunch and dinner are not included in the registration fee. There are plenty of restaurants available nearby.

### • Registration Receipt

A receipt showing payment of the registration and banquet fees will be provided.

### • Processing and Handling of Personal Data

Personal data of the conference participants collected by the local organizers will be used ONLY for statistical purposes and for mailings concerning announcements of



ISWAMP-2 and future conferences.

### • Exhibitors and Sponsors

Sponsors can display their products such as scientific equipment & instrumentation, science books and/or specialized journals at the conference. These displays will be located in the same area as the poster sessions. Interested companies should contact the conference office at [iswamp2@jlu.edu.cn](mailto:iswamp2@jlu.edu.cn) to make arrangements.

## SCIENTIFIC PROGRAM

The scientific program will consist of 3 invited plenary lectures (50 minutes, 10 minutes for discussion), 13 invited talks (30 minutes, 10 minutes for discussion) and contributed presentations (20 minutes, 5 minutes for discussion). One poster session will be arranged in the afternoon, 20 July.

### List of invited speakers:

#### Plenary Speakers

Paul Corkum (Canada)  
Artem Rudenko (USA)  
Makina Yabashi (Japan)

#### Invited Speakers

Ryan Coffee (USA)  
Raimund Feifel (Sweden)  
Ken-ichi Ishikawa (Japan)  
Hiroshi Iwayama (Japan)  
Tommaso Mazza (Germany)  
Bob Nagler (USA)  
Thomas Pfeifer (Germany)  
Nina Rohringer (Germany)  
Daniel Rolles (Germany)  
Arvinder Sandhu (USA)  
Giuseppe Sansone (Italy)  
Zengxiu Zhao (China)  
Zhentang Zhao (China)





## Submissions of abstracts

Participants are invited to submit abstracts related to one of the following six areas identified for this workshop.

1. Excitation, ionization and fragmentation in intense EUV and X-ray fields
2. Non-linear processes in EUV and X-ray
3. Developments in short-wavelength free electron lasers
4. Developments in HHG-attosecond light sources
5. Instrumentation for ISWAMP
6. New approaches to intense UV and X-ray generation

The abstract should be sufficiently detailed to enable the conference committee to judge the scientific merit of the paper. Submissions accepted as contributed talks, you will be notified via e-mail after selection by the committee. Abstracts can only be submitted through the conference website where step-by-step instructions are given. Abstracts submitted by any other means will not be considered. The file containing the abstract must be uploaded to the conference website in PDF or Word format using the template given on the website. The length of each abstract is strictly limited to one page. You will be notified by e-mail in May 2013 when your abstract has been received.

**The deadline for abstract submission is 1 May, 2013.**

## Poster Presentation

All accepted contributed posters will be presented in the afternoon of 20 July. Space dimensions of 100 cm (width) × 120 cm (height) will be allocated to each poster.

**Posters may be presented only if the corresponding abstract has been accepted and if at least one of the authors listed has registered for the conference.**

The posters should be prepared before 15:00 on July 20 and be removed by the author before 20:30 on July 20.



## TRAVEL AND TRANSPORTATION

**Air Service:** Xi'an Xianyang International Airport (XIY) is located about 47km (29.2 miles) from downtown Xi'an. Xi'an has direct international air routes to Singapore, Nagoya and Seoul, along with connecting flights to Paris, Frankfurt, Los Angeles, Delhi, Bangkok, Tokyo, Nagoya and Singapore via Shanghai (Pudong). It also serves about 191 air routes from Xi'an to the main cities of China. Major airlines (Air China, China Eastern, China Southern, Hainan Airlines *etc.*) and their worldwide partners have convenient connecting flights to Xi'an from hubs in Beijing, Shanghai, Guangzhou, Lanzhou, Urumqi and Chongqing *etc.* (For detailed information please visit [Xianyang International Airport](#) website.)

**\*Note: You are strongly advised to check the information from official airline websites yourself before booking your itinerary and to book your flight 1-2 months in advance.**

**Taxi:** The cost is about 160CNY from the airport to the downtown area.

**Airport Shuttle Bus:** The cost is 25CNY per person (single). It usually takes about one hour for the airport shuttle bus to get to Bell Tower in West Main Street, where is about 2 km to the Grand Metropark Hotel.

**Railway Service:** The railway station is located in the North Huancheng Road of Xi'an, about 2.5 km to the Grand Metropark Hotel. For railway service from/to Beijing, Shanghai, Chongqing, Lanzhou and all the Chinese capital city, please visit the official website <http://www.12306.cn> (Chinese service only) (only UnionPay Bank Card is accepted) or phone to 95105105 (Chinese service only).

### **Travel Agent:**

Travel can be arranged by local agent: XI'AN DONGMEI AVIATION TOURISM CO., CTD

Contact: Jin Yi or Ding Lan

Tel: 86-29-88481004 or 86-18909207735.



## ACCOMMODATIONS

ISWAMP-2 will take place at **Grand Metropark Hotel**, a **five-star** hotel located in the center of Xi'an city. The Grand Metropark Hotel Xi'an has a wide range of spacious guestrooms and suites, fully equipped with Internet access, in-room safes and luxury bathroom amenities.

For students who attend the meeting, there are several hotels available with low rates within **30** minutes walking distance from Grand Metropark Hotel. Yangguang Qinda Hotel and Xi'an Canaan International Hotel, five minutes walking from Grand Metropark Hotel, are suggested.

Participants can reserve the level of accommodation they desire. We recommend using our website to reserve rooms with the low-rates we have arranged. The accommodation fee can be paid directly through online registration system or at the on-site registration desk to receive the conference rates.

\*Note: (1) the given hotel rates are summer prices and include breakfast and taxes, (2) Xi'an is an international travel city, especially in the summer. Please register as early as possible to guarantee to meet the demand of the hotel rooms.

### • Booking Procedure

Participants are suggested to select their preferred hotel online using the conference registration system, which is available from 25 March. Your reservation is valid only when you pay your registration fee online. We will send a confirmation and reserve the room at your selected hotel. A one night room fee will be charged (from your registration fee) if you cancel the reservation after 28 June, 2013.

### Deadline

The deadline for hotel reservation is 14 June, 2013. After the deadline, reservations can still be requested, but the availability of certain categories or rates cannot be guaranteed.

The suggested hotels are listed below.

No.	Hotel Name	Level	Remarks	Remarks
1	Grand Metropark Hotel	5stars	560CNY	
2	Yangguang Qinda Hotel	3stars	230CNY	Students
3	Xi'an Canaan International Hotel	3stars	230CNY	Students



## SOCIAL PROGRAM

### • Welcome Reception

The welcome reception will be held on **Friday 19 July, 2013, from 18:30 to 21:00**. The reception will take place at the Grand Metropark Hotel. On-site registration will be open from 13:00 to 21:00. The welcome reception is free for registered participants and accompanying persons should pay an additional 150CNY.

### • Banquet

The workshop banquet will be held on Sunday 21 July, 2013, from 18:30 to 21:30. The banquet is not included in the registration fee. The 320CNY fee for the banquet can be paid through the online registration system or at the on-site registration.

### • Tour

Xi'an is a famous travel city with an enormous cultural richness and beautiful surroundings. During the meeting, we will propose two possible agendas for a half-day tour. One is a City Tour (The wall, Forest of Stone Tablets Museum, Bell and Drum Tower). The other is a Historical Tour for visiting the Terracotta Warriors and Horses. Only one of the tours will be offered. On 20 July the tour option with the most registered participants will be arranged and offered to those who selected either option.

**You are strongly advised to book the tours through the conference website system. Tour fee is 420CNY for each person.**

### • Nearby Sightseeing Options

**City Wall:** Xi'an was originally a walled city, which was erected in the 14th century Ming Dynasty, and even today the wall is considered a landmark dividing the city into the inner part and the outer part. We suggest exploring it at night before 20:00.

More details at <http://en1.xian-tourism.com/xiantraveldetail.asp?listID=358>.

**Bell Tower:** It is a wooden structure topped with dark green tiles. It is a grand ancient building with traditional Chinese architectural features. There used to be a huge iron bell hung in the bell tower, which was used to strike the hours. On the top of the Bell Tower, visitors can get a bird's eye view of the surrounding areas and the building's brightly-decorated eaves.

More details at <http://en1.xian-tourism.com/xiantraveldetail.asp?listID=360>.

**Drum Tower:** It is located to the northwest of the Bell Tower, as a similar structure to the Bell Tower. On the outside of the Drum Tower at ground level hang many large drums. Each one is decorated with beautiful Chinese writing, which invokes good



fortune. A kind of drum show is performed here everyday. The top of the tower commands a panoramic view of the city.

More details at <http://en1.xian-tourism.com/xiantraveldetail.asp?listID=363>.

**Huaqing Pool:** It is Located at the northern foot of Lishan Mountain in Lintong County, 30 kilometers from Xi'an City, Huaqing Pool is a famous resort in China. Not only famous for its exquisite scenery, but also for the romantic love story of Emperor Xuanzong (685-762) and his consort Yang Yuhuan in the Tang Dynasty.

More details at <http://en1.xian-tourism.com/xiantraveldetail.asp?listID=353>.

**Terracotta Warriors and Horses:** It is a collection of terracotta sculptures depicting the armies of Qin Shi Huang, the first Emperor of China. It is a form of funerary art buried with the emperor in 210–209 BC and whose purpose was to protect the emperor in his after life. The Terracotta Army was discovered in March 1974 by a farmer. So far, 1,868 terracotta warriors and chariots have been unearthed.

More details at <http://en1.xian-tourism.com/xiantraveldetail.asp?listID=352>.

**Forest of Stone Tablets Museum(Bei Lin):** Established in 1090 during the Northern Song Dynasty (960 – 1279), which is well-known nationally for a fine and large collection of more than 1, 000 inscribed stones, engraved during a 2,000 year period from the Han Dynasty (206 BC – 220 AD) to the Qing Dynasty (1644 – 1911). It is a good place to get close to Chinese history and culture.

More details at <http://en1.xian-tourism.com/xiantraveldetail.asp?listID=359>.

**Big Wild Goose Pagoda:** Built in 652 during the Tang Dynasty. One of the pagoda many functions was to hold sutras and figurines of the Buddha that were brought to China from India by the Buddhist translator and travelers Xuanzang. Now this well-preserved holy place for Buddhist has been the symbol of Xian.

More details at <http://en1.xian-tourism.com/xiantraveldetail.asp?listID=357>.



## **Other**

- **Insurance**

Participants are strongly encouraged to ensure that they have appropriate health and travel insurance before coming to Xi'an. The conference will not be held responsible for any medical problems or injuries, or for loss or damage to property belonging to conference participants or accompanying persons.

- **Credit Cards**

Most restaurants and shops only accept cash in China, so please be sure to carry enough to cover your bill. The registration website accepts credit/debit cards from VISA, MasterCard, American Express, JCB card and UnionPay card.

- **Banking and Currency Exchange**

Banks are typically open Monday through Friday from 9:00 to 17:00. Automatic Transaction Machines (ATM) are widely available. Common currencies (Euro, US Dollar, UK Pound, Japanese Yen, etc.) may be exchanged at banks. However, it may be difficult to exchange some currencies, so participants are advised to bring some Chinese Yuan (CNY) with them or be sure that their bank card will work at ATM machines in China.

- **Internet service**

Participants and accompanying persons will have access to internet in the hotel room.

- **Weather in Xi'an**

The average temperature in July is 27°C (81°F).

## **SPONSORS**

Sponsors are welcome and will be announced on the website and at the meeting. If you wish to promote your product at the conference, please contact us.

Contact email: [iswamp2@jlu.edu.cn](mailto:iswamp2@jlu.edu.cn).



## Related Meetings

### ◆ XXVIII International Conference on Photonic, Electronic and Atomic Collisions

**Chairs:** Guoqing Xiao, Xiaohong Cai, Dajun Ding, Xinwen Ma, Yongtao Zhao

**Date:** 24-30 July, 2013

**Location:** Lanzhou

**Website:** <http://icpeac2013.impcas.ac.cn/index.htm>

### ◆ 38<sup>th</sup> International Conference on Vacuum Ultraviolet and X-ray Physics

**Chair:** Ziyu Wu

**Dates:** 12 – 19 July, 2013

**Location:** Hefei

**Website:** <http://vuvx2013.ustc.edu.cn>

### ◆ International Symposium on (e,2e), Double Photoionization and Related Topics & 17th International Symposium on Polarization and Correlation in Electronic and Atomic Collisions

**Chairs:** Xiangjun Chen and Yi Luo

**Dates:** 1 - 3 August, 2013

**Location:** Hefei

**Website:** <http://e2e2013.csp.escience.cn>

### ◆ XXIII International Symposium on Ion - Atom Collisions (ISIAC 2013)

**Chairs:** Jianguo Wang and Xinwen Ma

**Dates:** 20 - 21 July, 2013

**Location:** Beijing

**Web page:** <http://www.camdb.ac.cn/isiac23/default.asp>

### ◆ VI International Symposium on Atomic Cluster Collisions (ISACC 2013)

**Chairs:** Bing Zhang and Andrey V. Solov'yov

**Dates:** 20 - 22 July, 2013



**Location:** Wuhan and Chongqing

**Website:** <http://isacc2013.wipm.ac.cn/dct/page/1>