



**22<sup>nd</sup> International Conference on the Physics of Highly Charged ions (HCI2026), 7-11 Sept. 2026, Institute of Modern Physics, Chinese Academy of Sciences, Huizhou, China**

## Second Announcement

The 22<sup>nd</sup> International Conference on the Physics of Highly Charged ions will be hosted from 7 to 11 September 2026 by Institute of Modern Physics, Chinese Academy of Sciences at the Shuangyue bay resort in Huizhou, China. We cordially invite you to HCI2026. As a prominent event in the international HCI conference series, HCI2026 will offer a global forum for researchers to share and discuss the latest breakthroughs in the field of highly charged ions (HCIs). Since its inception in 1982, the biennial HCI conference series has continuously evolved, attracting scientists from diverse disciplines around the world.

HCI2026 aims to bring together experimentalists and theorists to explore a broad spectrum of topics, including:

- Fundamental Aspects, Structure, and Spectroscopy
- Collisions with Electrons, Ions, Atoms, and Molecules
- Interaction with Clusters, Surfaces, and Solids
- Interactions with Photons and Plasmas
- Strong Field and Ultrafast Processes
- Production, Experimental Developments, and Applications

The scientific program will consist of Review Lectures, Progress Reports, selected talks, local reports, poster presentations, and public lecture.

### Important Dates

First announcement: 30 October 2025

Second announcement: 20 April 2026

Final announcement: July-August 2026

Registration open: 20 April 2026

Early-bird registration deadline: 1 June 2026

Abstract submission: 20 April 2026

Abstract submission deadline: 1 June 2026

Proceeding submission open date: 1 September, 2026

### Confirmed Invited Speakers

#### Invited speakers for Review Report (45 min):

**José R. Crespo López-Urrutia**, Max-Planck Institute for Nuclear Physics, Germany  
“*Sensing old and, possibly, new physics with highly charged ions*”

**Toshiyuki Azuma**, AMO Physics Lab RIKEN, WPI-QUP, KEK, Japan  
“*QED Tests via Resonant Coherent Excitation in Thin Crystals and Muonic Atoms*”

**Ronnie Hoekstra**, University of Groningen, The Netherlands  
“*Surprises in Electron Capture by low-energy Sn ions: Hop-skip-and-jump versus long-jump double*”

*electron capture from H<sub>2</sub>*

**Yuri Ralchenko**, University of Maryland, Goddard Space Flight Center, USA  
*“From clusters of galaxies to tiny nuclei: the robust utility of EBIT spectroscopy”*

**Alain Dubois**, Sorbonne University, Paris, France  
*“Electron correlation in highly charged ion-atom collisions”*

### **Invited speakers for Progress Report (30 min):**

**Atsushi Yamaguchi**, RIKEN, Japan  
*“Progress towards a trapped-ion nuclear clock”*

**Tom Kirchner**, York University, Canada  
*“Generalized independent-atom-model approach for net ionization of molecules by multiply-charged-heavy-ion impact”*

**Günter Weber**, Helmholtz Institute Jena, Germany  
*“Quantum Electrodynamics in Strong Electromagnetic Fields: Substate Resolved K $\alpha$  Transition Energies in Heliumlike Uranium”*

**Daniel Fischer**, Missouri University of Science and Technology, Rolla, USA  
*“Fully differential ion-atom collisions experiments”*

**Shenyue Xu**, Institute of Modern Physics, Chinese Academy of Sciences, China  
*“Damaging intermolecular relaxation processes of hydrated biomolecules after heavy-ion irradiation”*

**Shaolong Chen**, Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences, China  
*“Recent Progress on Sympathetic Cooling of Ni Highly Charged Ions for Optical Clock Development”*

**Moto Togawa**, EuXFEL/JAXA/MPIK, Germany  
*“Ultrafast highly charged ion dynamics”*

**Victoria Vojtech**, Technical University of Vienna, Austria  
*“Looking behind the surface to disentangle electron emission mechanisms in HCI-solid interactions”*

**Ling ZHANG**, Institute of Plasma Physics, Chinese Academy of Sciences  
*“Highly Charged Tungsten Ion Observation: Enabling Insights into Tungsten Transport Study in Magnetically Confined Fusion Plasma”*

**Yury Litvinov**, GSI Helmholtzzentrum für Schwerionenforschung, University of Cologne, Germany  
*“Precision experiments at the intersection of Atomic, Nuclear and Astrophysics”*

**Stefanos Nanos**, University of Crete, Greece; Institut des Nanosciences de Paris, France  
*“Spin-statistics breaking in swift collisions of He-like metastable ions with atoms”*

### **Public Lecture (45 min):**

**Speaker: Di Li, Professor, Dr.**

Affiliation: Tsinghua University, National Astronomical Observatories, Chinese Academy of Sciences, China

Title: *“Bursting through the Ionized Universe”*

## Conference Venue and Travel information

The location of HCI2026 is Dusit Thani Resort Shuangyue Bay, which is close to the HIAF site.

Hotel Address:

Near No.213 County Road (Binhai Tourist Resort, Nianping Peninsula Shuangyuewan, Huidong, Guangdong, China

地址：广东省惠州市，惠东港口镇东海地段，惠州双月湾檀悦都喜天丽度假酒店

Hotel Service Counter Telephone: +86 752 888 9999



**Hotels at the Shuangyue Bay beach  
Dusit Thani Resort for HCI-22**



## **Transportation to the Conference Hotel**

### **By Plane:**

#### **A. Huizhou Pingtan Airport (惠州平潭机场):**

Approximately 75 km from the conference hotel.

Taxi / ride-hailing: ~90 minutes, ~120 CNY.

#### **B. Shenzhen Bao'an International Airport (深圳宝安国际机场):**

Approximately 160 km from the hotel.

Taxi / ride-hailing: over 2 hours, 200–400 CNY.

#### **C. Guangzhou Baiyun International Airport (广州白云国际机场):**

Approximately 250 km from the hotel.

Taxi / car: ~3 hours, 300–500 CNY.

#### **D. Hong Kong International Airport (香港国际机场):**

Coach services to Huizhou are available at the Mainland/Macao Transport Centre, Hall A, Arrivals Level (L5), Terminal 1, counters M01–M05.

- Eternal East Bus 永東巴士: departs hourly 08:30–20:00
- Fare: ~250 CNY to Huizhou Jinluan Hotel Station 惠州金銓酒店

- Travel time: ~3 hours
- Then take a taxi from Jinluan Hotel Station to the Conference Hotel: ~100 km, ~90 minutes, ~150 CNY.

Our shuttle bus service will be available from both **Guangzhou Baiyun (CAN)** and **Shenzhen Bao'an (SZX)** airports to the conference hotel. Staff members holding a "HCI2026" poster will be waiting at the baggage claim exits to assist you in boarding the shuttle bus. Departures will be scheduled in several batches (e.g., 3–4 runs) based on flight arrival times. Further details including departure times will be announced later.

### **By Train:**

The city is served by five mainline railway stations situated near the downtown area:

#### **[A. Huizhou North Railway Station \(惠州北站\)](#)**

High-speed rail. ~116 km. Taxi: ~ 250 CNY

#### **[B. Huizhou Railway Station \(惠州站\)](#)**

Regular rail. ~115 km. Taxi: ~ 250 CNY

#### **[C. Huizhou South Railway Station \(惠州南站\)](#)**

High-speed rail. ~100 km. Taxi: ~ 200 CNY

### **Notes:**

If you travel via Hong Kong, please check visa requirements for your nationality in advance.

### **Tips:**

You may show the following Chinese address directly to taxi drivers to avoid communication problems:

“师傅您好！请送我到惠州市惠东双月湾檀悦都喜天丽度假酒店。谢谢！”

"Hi, could you take me to Dusit Thani Shuangyue Bay Resort in Huidong, Huizhou? Thank you."

We strongly recommend using **DiDi**, **Alipay**, or **WeChat Pay** for ride-hailing and payments.

Mobile payments are now available for non-Chinese users. For detailed guidance, please view the PDF guide on our website by [clicking](#).

It is also recommended to prepare some cash (preferably with small changes).

!!! Click any underlined airport, railway station, or bus terminal above to view a map showing directions from that location to the conference hotel.

## Registration

The early-bird conference fee for the HCI2026 is 500 Euros (or 4000 CNY) for regular participants, 260 Euros (or 2080 CNY) for students, and 150 Euros (or 1200 CNY) for accompanying persons. After the **early-bird registration deadline on 1 June 2026**, the fees will be 550 Euros (or 4400 CNY) for regular participants, 300 Euros (or 2400 CNY) for students, and 170 Euros (or 1360 CNY) for accompanying persons. Registration Fees can be paid via the **Aconf** (Academic Conference Professional) system on our official webpage.

The registration fee includes access to all scientific sessions, the poster sessions, coffee breaks, welcome reception, lunches and dinners (7-11 September), and the conference dinner on 8 September. Registration can be completed via the following webpage:

<https://indico.impcas.ac.cn/e/HCI2026>

Payment can be made via:

- Credit card (strongly recommended for foreign participants)
- Bank transfer 银行转账 (recommend for Chinese participants)
- Cash or credit card on-site at the conference venue

### For foreign participants:

**Please pay the registration fee via credit card using the link on our official website.**

**The registration fee will be processed through the independent Aconf website.**

Payment note: HCI2026 + Participant's Name

### For Chinese participants / 国内参会人员:

Account Name / 户名: 中国科学院近代物理研究所

Bank / 开户银行: 中国工商银行股份有限公司兰州市渭源路第一支行

Account Number / 银行账户: 2703 0039 0902 6400 458

CNAPS No. / 联行号: 10 2821 0003 96

Tax No. / 税号: 1210 0000 4380 0211 59

Address of bank / 单位地址: 甘肃省兰州市城关区南昌路509号

Tel./ 电话: 0931-4969252

Payment note / 汇款请备注: “HCI2026+参会者姓名”

Please ensure that all bank transfer fees are borne by the payer and not deducted from the transferred amount.

## Hotel and Accommodation

### Hotel:

**Name:** Tanyue Dusit Thani Resort

**Address:** Coastal Tourist Resort Area, Shuangyue Bay, Renping Peninsula, Gangkou Town, Huidong, Guangdong, China

### Accommodation:

A special room rate is offered to HCI2026 participants at Tanyue Dusit Thani Resort, with a

room block reserved by the local organizing committee.

Please indicate your room preference on the registration form. Rooms will be allocated accordingly, and payment should be made directly at the hotel front desk upon arrival.

### **Available Room Types:**

King Bed Room

Twin Bed Room

### **Special Rate:**

Tianji Building, 530 CNY per room per night

Tianyue Building, 420 CNY per room per night

Including: breakfast (2 adults), sky swimming pool on the 31st floor, water park, Boat Bar and Pool, children's castle, table tennis, billiards, and Cannes Broadcast Center.

There are some other nearby hotels that participants can choose on their own if they prefer to make their own arrangements.

## **Abstract Submission**

Abstract must be submitted electronically from 20 April, 2026 through the conference website, <https://indico.impcas.ac.cn/e/HCI2026>. The length of the abstract is limited to ONE A4 page. The abstract templates for MS Word and LaTeX and detailed preparation guidelines can be downloaded [here](#).

Please note that we only accept files in the PDF format.

## **Selected Talks**

The HCI2026 Organizing Committee will select approximately 20 contributions from the accepted abstracts to be presented as 20-minute oral presentations. The authors of the abstracts selected for selected contributions will be notified in June.

## **Posters**

Authors of all accepted abstracts are required to present a poster in the poster sessions. Two Poster sessions will be held in two afternoon sessions during the conference, with approximately 80 posters presented in each session.

## **Official Invitation and Visa**

Conference participants are advised to check their passport validity and visa requirements for traveling to China well in advance. At present, citizens of 48 countries are exempt from visa requirements for up to 30 days when entering China for purposes including academic exchange, tourism, business, family visits, and conference participation (e.g. HCI2026). Detailed information and relevant links are available on our official webpage: <https://indico.impcas.ac.cn/e/HCI2026>.

## **Proceedings**

The HCI2026 conference proceedings will be published as a special issue of the journal *Nuclear Instruments and Methods B: Beam Interactions with Materials and Atoms* (NIMB). All manuscripts submitted to the HCI2026 proceedings will be subject to the same high standard papers refereeing as that of regular papers submitted to NIMB.

**Submission Open Date: 1 September, 2026**

Submission webpage:

<https://www.sciencedirect.com/special-issue/329921/proceedings-of-the-22nd-international-conference-on-the-physics-of-highly-charged-ions>

## History of the HCI Conference Series

This section is dedicated to archiving the history of the International Conference on the Physics of Highly Charged Ions (HCI). We have compiled key information from past conferences, including organizing chairs, locations, dates, group photographs, and links to proceedings or proceeding details, to preserve and commemorate the legacy of this long-running series, which has now reached its 22<sup>nd</sup> edition. With the kind help of many senior colleagues, we have gathered as much material as possible. However, records from the earliest conferences remain incomplete and difficult to locate. We would greatly appreciate it if you could provide any missing documents or information to help us expand and improve this historical archive.

The full collection of HCI conference history is available at the following link:

<https://indico.impcas.ac.cn/event/75/page/159-hci-conference-historical-collection>.

## International Advisory Board

Toshiyuki Azuma (Japan)	Peter Beiersdorfer (USA)	Manolis Benis (Greece)
Julian Berengut (Australia)	Amine Cassimi (France)	James Colgan (USA)
José Crespo Lopez-Urrutia (Germany)	Ronnie Hoekstra (the Netherlands)	Joanna Hoszowska (Switzerland)
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Lokesh Tribedi (India)	Richard Wilhelm (Austria)	Ke Yao (China)
Henning Zettergren (Sweden)		

## Local Organizer Committee (LOC)

- **Chair:** Xinwen Ma (IMPCAS)
- **Co-chairs:** Xiangjun Chen (USTC), Jianguo Wang (IAPCM)
- **Secretaries:** Shaofeng Zhang (IMPCAS), Weiqiang Wen (IMPCAS)
- **LOC Members:**

Lin Chen (LZU),	Xiaobin Ding (NWNNU),	Hua Guan (APM),
Zhimin Hu (SCU),	Guiyun Liang (NAOC)	Lijun Mao (IMPCAS),
Jieru Ren (XJTU),	Xueguang Ren (XJTU),	Caojie Shao (IMPCAS),
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Jie Yang (IMPCAS),	Ke Yao (FDU),	Jianmin Yuan (JLU),
Weimin Zhou (LFRFC),	Linfan Zhu (USTC),	Xiaolong Zhu (IMPCAS)

## Related workshop

The 23rd SPARC Topical Workshop will take place between 12th and 15th of September 2026 in the Huizhou Branch campus of Institute of Modern Physics, Chinese Academy of Sciences (IMPCAS). Details can be found at:

[https://indico.gsi.de/e/SPARC\\_2026](https://indico.gsi.de/e/SPARC_2026) (Passcode: SPARC\_2026)

## Social activities/social program

- Reception:

A welcome reception will be held in the evening of Sunday, 6 September.

- HIAF tour/visit:

A guided tour of High Intensity heavy ion Accelerator Facility (HIAF) will be organized.

- Excursion:

An excursion to Turtle Island will be arranged.

- Conference dinner:

A conference dinner will be arranged in the evening of Tuesday, 8 September 2026.

## Contact Information

[HCI2026@impcas.ac.cn](mailto:HCI2026@impcas.ac.cn)

## HCI2026 Conference webpage

<https://indico.impcas.ac.cn/e/HCI2026>

