

Second Helicon Plasma Physics and Applications Workshop

11-14 April 2024, Chongqing, China

Helicon plasma has been attracting continuously strong interests since its first invention around 1970 by Rod Boswell at the Flinders University of South Australia. Attentions have been given to both the underlying mechanisms of the high density, high ionization rate and mysterious mode transitions, and the industrial applications including material processing and electric propulsion. Helicon Plasma Physics and Applications (HPPA) Workshop is established for the community to report new findings, conduct discussions, and communicate ideas. The First Helion Plasma Physics and Applications Workshop was held in 23-24 September 2021 by Institute of Plasma Physics (CAS) and remotely due to the COVID-19 epidemic. The workshop received 110 registrations and attracted 100 audiences from 30 affiliations, and was spoken highly of by the helicon community.

The Second Helicon Plasma Physics and Applications Workshop will be held in 11-14 April 2024, Chongqing, China. It will be organized by the Chongqing University and Southwestern Institute of Physics, aiming to report the recent research progresses about fundamental helicon plasma physics and emerging applications. Specific attentions will be given to the industrious applications of helicon plasma sources. We sincerely invite you to participate and contribute to the workshop. Chongqing is a very attractive tourist city in China, e.g. famous for food (hotpot), transport (8D), and historical culture.

International Organization Committee (IOC)

Rod Boswell (Chair), Yuanhong Song (Vice Chair)

(in alphabetical order of surname)

Yong Cao, Qiang Chen, Wei Chen, Ping Duan, Fei Gao, Fujun Gou, Xianwei Han, Yongxin Liu, Yue Liu, Guangnan Luo, Jiting Ouyang, Chaofeng Sang, John Scharer, Earl Scime, Shunjiro Shinohara, Anbang Sun, Xuan Sun, Kazunori Takahashi, Haibin Tang, Haixing Wang, Xiaogang Wang, Xuemei Wu, Guangqing Xia, Chijie Xiao, Weiwen Xiao, Guosheng Xu, Min Xu, Minyou Ye, Daren Yu, Haishan Zhou

Youth Organization Committee (YOC)

Lei Chang (Chair), Saikat Thakur (Vice Chair)

(in alphabetical order of surname)

Juan Caneses, Long Chen, Ruilin Cui, Liang Ding, Dan Du, Tianyuan Huang, Shogo Isayama, Peiyu Ji, Chenggang Jin, Bo Li, Jingchun Li, Lingfeng Lu, Aohua Mao, Bin Sun, Chang Tan, Bin Tian, Jianguo Wei, Mingyang Wu, Xin Yang, Xiong Yang, Zongbiao Ye, Chi Shung Yip, Haibao Zhang, Zun Zhang, Kai Zhao

Local Organization Committee (LOC)

Lei Chang (Chair), Chongqing University, leichang@cqu.edu.cn

Lingfeng Lu (Vice Chair), Southwestern Institute of Physics, lulingfeng@swip.ac.cn

Qing Xiong, Chongqing University, qingxiong@cqu.edu.cn

Kun Liu, Chongqing University, Liukun@cqu.edu.cn

Hui Jiang, Chongqing University, jianghui@cqu.edu.cn

Liang Yu, Chongqing University, yu_liang@cqu.edu.cn

Xiongfeng Zhou, Chongqing University, zhouxiongfeng3@163.com

Supporting Academic Societies

- ❑ Plasma and Their Applications Division, China Electrotechnical Society
- ❑ Plasma Physics Division, Chinese Physical Society
- ❑ Nuclear Fusion and Plasma Physics Division, Chinese Nuclear Society
- ❑ Electric Propulsion Division, Chinese Society of Astronautics

Topics include but not limited to

- ❑ Helicon Plasma Sources
- ❑ Diagnostics & Measurements
- ❑ Ionization, Waves & Instabilities
- ❑ Transport & Turbulence
- ❑ Power Coupling & Thermal Load
- ❑ Current Drive in Toroidal Systems
- ❑ Material & Surface Treatment
- ❑ Space Plasma Propulsion
- ❑ Industrial Applications
- ❑ Other Related Applications

Important Dates

- ❑ Early Bird: before 10 March 2024
- ❑ Abstract Submission: before 20 March 2024
- ❑ Registration & Hotel: before 31 March 2024
- ❑ HPPA Workshop: 11-14 April 2024

Venue & Accommodation

- ❑ Main Hotel:
Hyatt Regency (#68 Zourong Road, Yuzhong District, Chongqing, China)
Room type & price: single (550 CNY/day), double (700 CNY/day)
- ❑ Other Hotels nearby:
 - Lavande (#429 Xinhua Road, Yuzhong District, Chongqing, China)
Room type & price: single (480 CNY/day), double (600 CNY/day)
 - TheMove (#50 Zourong Road, Yuzhong District, Chongqing, China)
Room type & price: single (370 CNY/day), double (500 CNY/day)
 - Galaxy Hotel (#49 Datong Road, Yuzhong District, Chongqing, China)
Room type & price: single (260 CNY/day), double (430 CNY/day)

Registration

- ❑ Registration method:
Sending registration form directly via Email to Lei Chang or Lingfeng Lu.
- ❑ Registration fee:
 - Regular: 2500 CNY (early-bird 2000 CNY, before 10 March 2024)
 - Student or retired: 1500 CNY (early-bird 1000 CNY, before 10 March 2024)
- ❑ Payment method:

Chongqing Santos Business Consulting Co., Ltd is employed by the LOC to take care of the payment and invoice issues. Attendants can choose to pay by credit card, indebt card or WeChat QR code (e.g. for Chinese attendants).

- CNY Account:

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- USD Account:

Account name: Chongqing Santos Business Consulting Co., Ltd
Account number: 8111214011800645248
Company Address: 25-25, Building 2, No.18, Jianxin South Road, Jiangbei District, Chongqing
SWIFT BIC: CIBKCNBJ400
Bank: CHINA CITIC BANK CHONGQING BRANCH
Bank Address: NO.5 WEST STREET JIANGBEI CHENG, JIANGBEI DISTRICT, CHONGQING, 400025, CHINA

- Euro Account:

Account name: Chongqing Santos Business Consulting Co., Ltd
Account number: 8111251019800645249
Company Address: 25-25, Building 2, No.18, Jianxin South Road, Jiangbei District, Chongqing
SWIFT BIC: CIBKCNBJ400
Bank: CHINA CITIC BANK CHONGQING BRANCH
Bank Address: NO.5 WEST STREET JIANGBEI CHENG, JIANGBEI DISTRICT, CHONGQING, 400025, CHINA

- WeChat QR code:



Note: please send your invoice details and proof of the payment to the following email address 756704514@qq.com and copied to leichang@cqu.edu.cn after payment.

Contact Details

Lei Chang (Charles):	General Inquiry	leichang@cqu.edu.cn
Lingfeng Lu:	Presentation	lulingfeng@swip.ac.cn
Chao Wang:	Registration	1196859877@qq.com
Chenggonghang Zhou:	Abstract	1802661263@qq.com
Fantao Zhou:	Transport	fantao_zhou@126.com
Shijie Zhang:	Accommodation	18228210162@163.com
Lisha Long (Lisa):	Payment Service	756704514@qq.com
Shan Zhou:	Conference Service	38150898@qq.com

Registration Form

Full Name		
Affiliation		
Position/Title		
Email Address		
Presentation	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Title (if Yes)		
Accommodation	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Details (if Yes)	Proposed Arrival Date:	
	Proposed Leave Date:	
	Preferred Hotel: <input type="checkbox"/> Hyatt Regency <input type="checkbox"/> Lavande <input type="checkbox"/> TheMove <input type="checkbox"/> Galaxy Hotel Preferred Room Type: <input type="checkbox"/> Single Room <input type="checkbox"/> Double Room (indicate whether like to share)	
Invoice Details		
Other (if applied)		

Please send the filled form to leichang@cqu.edu.cn or lulingfeng@swip.ac.cn.

Template of Abstract (here it will be replaced by reference number)

Second Helicon Plasma Physics and Applications Workshop

Full names of all contributed authors with the presenter underlined¹

¹List of all the institutions

Email: (correspondence email address)

Main body of abstract will show the motivation, novel aspects and key findings of the presented work. Please try to keep all the content within one page for the easy collection. Font style of Times New Roman and font size of 12 are recommended, with line space of 1.15. An empty line is suggested to separate paragraphs which don't have indentation at the beginning. Pictures and tables may be used for clearer description.

Key references should be added at the end of this abstract, together with all the funding acknowledgements if applicable. Please don't hesitate to contact Lei Chang or Lingfeng Lu if you have any enquiries or need any assistance.

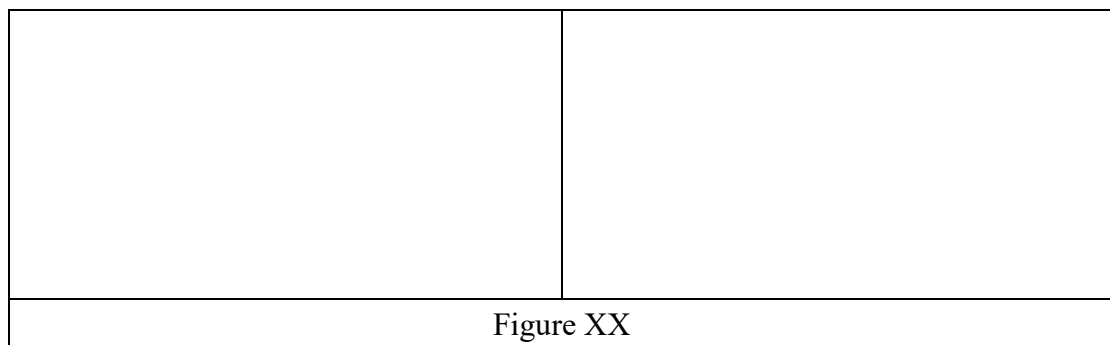


Table XX			

Acknowledgement: e.g. funding sources that support the presented work.

References: i.e. to save the space, abbreviations of first three authors and journal names (with volume, issue and page number) and without title are recommended.

[1]. Ref 1

[2]. Ref 2

[3]. Ref 3