

**Second Circular for  
16<sup>th</sup> Asian Conference on Solid State Ionics  
August 5-9, 2018, Shanghai, China**

**Conference Theme**

Materials and technologies for future energy and environment

**Conference Website**

<http://ssic.tongji.edu.cn/English/Homepage.htm>

*Organized by*

**The Asian Society for Solid State Ionics**

In association with

**Shanghai Institute of Ceramics, Chinese Academy of Sciences  
and Tongji University**

**Conference Organizer**

**Prof. Zhaoyin Wen**

Shanghai Institute of Ceramics, Chinese Academy of Sciences

**Prof. Yunhui Huang**

Tongji University

**About the conference**

Asian Society for Solid State Ionics (ASSSI) started holding Asian Conference on Solid State Ionics (ACSSI) as biennial event since 1988 beginning at Singapore. Since then, this chain of conference has been held in different Asian countries. Though it is an Asian conference, scientists and intellectuals from all over the world take active participation in this event making it truly international in technical content and quality of interaction. Present ACSSI is the 16th in the chain of ACSSI conferences. And this is the 4<sup>th</sup> time for this conference scheduled to be held in China and for the first time in the eastern part of China at Shanghai under the banner of Shanghai Institute of Ceramics, Chinese Academy of Sciences and Tongji University. This conference aims to hold high quality technical deliberations by inviting accomplished expert speakers in the subject area to provide and develop clarity of subject understanding among the junior researchers and young students. This conference will be a unique opportunity for budding scientists and youngsters for understanding the subject fundamentals

important to analyze the pros and cons of the ionic materials for technological applications in devices. This knowledge is extensively utilized also to protect and/or predict the lifetime of structural materials in harsh operating conditions to improve the performance reliability when used as components in devices. Presently, this research area is very important for wider scientific community comprising physicists, materials scientists, chemists, technologists and engineers belonging to academia, R & D institutions and manufacturing Industries and hence, highly relevant for socio-economic growth and society.

## **Scope of the Conference**

The conference aims to cover wide variety of subject areas namely: theory & modelling of Ionic/Electronic/Mixed conductors, Novel Techniques in Solid State Ionics, Ionic Liquids, Conducting Polymers, Polymer Electrolytes, Polymer Nanocomposites, Ceramics, Composites, Solid State Ionic Device & their components i.e.. Sensors, Storage/conversion devices (secondary batteries, supercapacitors, fuel cells, their integrated module), Electrochromic display devices, Nano-Ionics. Several symposia are listed as below:

## **Symposia**

- A. Fundamentals on Solid State Ionics and ionic/mix conductors
- B. Fuel cells
- C. Lithium ion batteries and Sodium ion batteries
- D. Next generation energy storage technologies
- E. Solid state electrolytes and solid-state batteries
- F. New technologies and instruments

## **International advisory board committee member:**

Stefan Adams, NUS, Singapore  
Koji Amazawa, Tohoku University, Japan  
A. K. Arof, University of Malaya, Malaysia  
Masaru Aniya, M. Kumamoto University, JAPAN  
S.P.S. Badwal, CSIRO Energy Technology, Australia  
Peter G. Bruce, University of Oxford, Oxford, UK  
M.A. Careem, University of Peradeniya, Sri Lanka  
Liquan Chen, Institute of Physics, Chinese Academy of Science, China  
Huiming Cheng, Institute of Metal Research, Chinese Academy of Sciences, China  
Shijie Cheng, Huazhong University of Science and Technology, China  
B.V.R. Chowdari, NTU, Singapore  
Koichi Eguchi, Kyoto University, Japan  
Maria Forsyth, Deakin University, Australia

Vito Di Noto, University of Padova, Italy  
Doug MacFarlane, Monash University, Australia  
Ruiping Gao, National Natural Science Foundation of China  
John B. Goodenough, The University of Texas at Austin, USA  
G. Govindraj, University of Poindicherry, India  
S. A. Hashmi, Delhi University, India  
Nobuyuki Imanishi, Mie University, Japan  
Tatsumi Ishihara, Kyushu University, Japan  
Saiful Islam, S, University of Bath, UK  
Ryoji Kanno, Tokyo Institute of Technology, Japan  
Evy Kartini, Nat. Nuclear Energy Agency, Indonesia  
Junichi Kawamura, IMRAM, Tohoku University, Japan  
M.A.K.Lakshman Dissannayake, University of Peradeniya, Sri Lanke  
Jong Sook Lee, Chonnam National University, Korea  
Yongfang Li, Institute of Chemistry Chinese Academy of Sciences, China  
Joachim Maier, Max Planck Institute, Stuttgart, Germany  
Manfred Martin, Aachen University of Technology, Germany  
Hiroshige Matsumoto, Kyushu University, Japan  
Cewen Nan, Tsinghua University, China  
Linda Nazar, University of Waterloo, Canada  
Di Noto, V. University of Padova, Italy  
S.R.S. Prabakaran, VIT University, India  
V.A. Seneviratne, University of Peradeniya, Sri Lanka  
Islam, Saiful, University of Bath, UK  
S. Selvasekarapandian, Tamilnadu Agricultural University, India  
Kazunori Takada, NIMS, Japan  
Hitoshi Takamura, Tohoku University, Japan  
A.K. Thakur, Indian Institute of Technology, India  
Tinglian Wen, Shanghai Institute of Ceramics, Chinese Academy of Sciences, China  
Werner Weppner, Christian-Albrechts-Universität, Germany  
Feng Wu, Beijing Institute of Technology, China  
Atsuo Yamada, Tokyo University, Japan  
Osamu Yamamoto, Mie University, Japan  
Yusheng Yang, People's Liberation Army Institute of Chemical Defense, China  
Xi Yao, Tongji University, China  
Baolian Yi, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China  
Han-Il Yoo, Seoul National University, Korea

## **Local organization committee**

### **Co-Chairman**

Yunhui Huang, Tongji University, China  
Zhaoyin Wen, Shanghai Institute of Ceramics, Chinese Academy of Sciences, China

Minfang Han, Tsinghua University, China  
Jiang Liu, South China University of Technology, China

## Members

Hanxing Liu, Wuhan University of Technology, China  
Xuejie Huang, Institute of Physics, Chinese Academy of Science  
Hong Li, Institute of Physics, Chinese Academy of Sciences, China  
Chusheng Chen, University of Science and Technology of China  
Wen Chen, Wuhan University of Technology  
Shuting Yang, Henan (Xinxiang) Battery Research Institute  
Yuguo Guo, Institute of Chemistry Chinese Academy of Sciences  
Zhongliang Zhan, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Xuelin Yang, China Three Gorges University  
Liping He, Hunan University  
Shengli An, Inner Mongolia University of Science & Technology  
Jiawen Jian, Ningbo University  
Renyuan Zhang, Tongji University  
Wei Luo, Tongji University  
Jiwei Ma, Tongji University  
Zewei Lv, Tsinghua University  
Long Qian, Tongji University  
Xiaowei Yang, Tongji University  
Sa Li, Tongji University  
Jun Jin, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Xiaofeng Ye, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Xiangwei Wu, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Meifen Wu, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Chenchen Hu, Tongji University  
Xiang Li, Tongji University

## Invited Speakers

Cewen Nan	Tsinghua University
Arumugam Manthrium	UT Austin, USA
Scott A. Barnett	Northwestern University, USA
Han-Il Yoo	Seoul National University, Korea
Ryoji Kanno	Tokyo Institute of Technology, Japan
Huang Zhang	Nanyang Technological University, Singapore
Yong Yang	Xiamen University
Feiyu Kang	Graduate School at Shenzhen, Tsinghua University
Feng Pan	Peking University Shenzhen Graduate School
Hong Li	Institute of Physics CAS
Hitoshi Takamura	Tohoku University, Japan
Teruhisa Horita	National Institute of Advanced Industrial Science and Technology

Nobuyuki Imamishi	Mike University, Japan
Jong-Ho Lee	Hanyang University, Korea
Truls Norby	The University of Oslo, Norway
Wolfram Jaegerman	Technische Universität Darmstadt, Germany
David Lou	Nanyang Technological University, Singapore
Amit Pandey	LG Fuelcells, Korea
Yuliang Cao	Wuhan University
Liwei Chen	Suzhou Institute of Nano-Bionic, Chinese Academy of Science
Renjie Chen	Beijing Institute of Technology
Ming Chen	Technical University of Denmark, Denmark
Di Chen	Stanford University, USA
Gang Chen	Northeastern University
Kongfa Chen	Fuzhou University
Guanglei Cui	Qingdao Institute of Biomass Energy and Bioprocess Technology, Chinese Academy of Sciences
Donglin Han	Kyoto University, Japan
Yonghong Deng	Southern University of Science and Technology
Yanhai Du	Kent State University, USA
Lizhen Fan	University of Science and Technology Beijing
G. Govindaraj	Pondicherry University, India
Gang Cheng	Wildcat Discovery Technologies, USA
Guntae Kim	Ulsan National Institute of Science and Technology, Korea
Xueping Gao	Nankai University
Yuguo Guo	Institute of Chemistry Chinese Academy of Sciences
Xin Guo	Huazhong University of Science and Technology
Xiangxin Guo	Qingdao University
Shaohua Guo	Nanjing University
H. Suzuki	Kyoto University, Japan
Hee Jung Park	Daejeon Univ., Korea
Liping He	Hunan University
Yanbing He	Graduate School at Shenzhen, Tsinghua University
Yanglong Hou	Peking University
Liangbing Hu	University of Maryland, USA
Xianluo Hu	Huazhong University of Science and Technology
Renzong Hu	South China University of Technology
Jong-Sook Lee	Chonnam National University, Korea
Joongmyeon Bae	KAIST, Korea
J.A. Alonso	Instituto de Ciencia de Materiales de Madrid, Spain
Xiulei Ji	Oregon State University, USA
Jiawen Jian	Ningbo University

Koji Kandori	Ritsumeikan University, Japan
K. Amezawa	Tohoku University, Japan
Koichi Eguchi	Kyoto University, Japan
Kang Taek Lee	DGIST, Korea
Lakshman Dissanayake	University of Peradeniya, Sri Lanka
Liping Wang	University of Electronic Science and Technology of China
Feng Li	Institute of metal research, Chinese Academy of Sciences
Qingyu Li	Guangxi Normal University
Jingze Li	University of Electronic Science and Technology of China
Huiqiao Li	Huazhong University of Science and Technology
Yonghe Li	Beijing University of Technology
Chilin Li	Shanghai Institute of Ceramics, Chinese Academy of Sciences
Jian Li	Huazhong University of Science and Technology
Feng Lin	Virginia Tech, USA
Xingbo Liu	West Virginia University, USA
Jiang Liu	South China University of Technology
Narumi Ohta	National Institute for Materials Science, Japan
Naoki Shikazono	Kyoto University, Japan
M.V. Reddy	National University of Singapore, Singapore
Mark C. Williams	National Energy Technology Laboratory
Zifeng Ma	Shanghai Jiao Tong University
Qianli Ma	Jülich GmbH, Germany
Liqiang Mai	Wuhan University of Technology
Prabhakar Singh	University of Connecticut, USA
Zhangquan Peng	Changchun Institute of Applied Chemistry, Chinese Academy of Sciences
Jinli Qiao	Donghua University
Rohan Senadeera	The Open University of Sri Lanka, Sri Lanka
Rak-Hyun Song	KIER, Korea
Stefan Adams	National University of Singapore, Singapore
S.R.S Prabaharan	Vellore Institute of Technology, India
Siqi Shi	Shanghai University
Yongming Sun	Huazhong University of Science and Technology
Tatsuya Kawada	Tohoku University, Japan
Toshiaki Matsui	Kyoto University, Japan
Weiping Tang	Shanghai Institute of Space Powder-Sources
Wonyoung Lee	Sungkyunkwan University, Korea
Chengcin Wang	Sun Yat-sen University
Jiulin Wang	Shanghai Jiao Tong University
Yingjin Wei	Jilin University

Junwei Wu	Harbin Institute of Technology,Shenzhen
Xiao Liang	Hunan University
Dingguo Xia	Peking University
Hui Xia	Nanjing University of Science and Technology
Xinhui Xia	Zhejiang University
Hongfa Xiang	Hefei University of Technology
Jia Xie	Huazhong University of Science and Technology
Xunhui Xiong	South China University of Technology
Jingying Xie	Shanghai Institute of Space Powder-Sources
Xiaoxiong Xu	Ganfeng Lithium Co.,Ltd
Zhaohe Xu	Chongqing University
Y. Matsukawa	Tohoku University, Japan
Yoshitomo Yamaguchi	Ritsumeikan University, Japan
Yusuke Yamaguchi	Ritsumeikan University, Japan
Xiaowei Yang	Tongji University
Longwei Yi	Shandong University
Yan Yu	University of Science and Technology of China
Qiang Zhang	Tsinghua University
Hailei Zhao	University of Science and Technology Beijing
Yufeng Zhao	Yanshan University
Honghe Zheng	Soochow University
Liang Zhou	Wuhan University of Technology
Fengling Liao	<i>Chem</i> , editor
Rose Zhu	<i>Joule</i> , editor
Wenjie Sun	<i>Nature Nanotechnology</i> , editor
Yaoqing Zhang	<i>Nature Communications</i> , editor
Quanhong Yang	<i>Energy Storage Materials</i> , editor
Xiaomin Li	<i>Journal of Inorganic Materials</i> , editor
....	

## Agenda

	Morning	Afternoon
Aug.5, Sun.	Registration	
Aug.6, Mon.	Opening Ceremony and Plenary lectures	Plenary lectures
Aug.7, Tue.	Parallel Sessions	Visit Clean Energy Storage Program
Aug.8, Wen.	Parallel Sessions	Editor and Poster Sessions
Aug.9, Thu.	Plenary lectures, Awarding and Closing Ceremony	Return journey

## Registration fee covering banquet

Classification	Before July 15, 2018	After July 16, 2018
Students	USD \$200	USD \$250
Non-students	USD \$400	USD \$500

[https://ssic.tongji.edu.cn/English/pre\\_registration.htm](https://ssic.tongji.edu.cn/English/pre_registration.htm)

Our bank details are as follows:

Beneficiary Bank: Bank of China, Shanghai Branch yangpu sub-branch

Bank Address: No. 83 chifeng road, Shanghai, 200092, P. R. China

Swift number: BKCHCNBJ300

Beneficiary: TongJi University

Beneficiary Bank Account No.: 433859245525

Please indicate “SSI-Name-Affiliation” in your transfer (Affiliation will be an abbreviation of your institution). If you provide this information in your transfer, it is easy to refer your payment. After your transfer, please send an email with the transfer receipt to [cssi2018@tongji.edu.cn](mailto:cssi2018@tongji.edu.cn), we will confirm your payment.

## Accommodation

A number of 3-5 star hotels are available with their link provided on conference web link. The details are as follows: the Crowne Plaza Fudan Hotel (five star), Shanghai Tongji Jun Jubilee Hotel, Shanghai Blue Sky Hotel (four star), Shanghai capital of Jinjiang Magnolia Hotel, Tongji Yingbin Hotel (three-star). Please send email to [cssi2018@tongji.edu.cn](mailto:cssi2018@tongji.edu.cn) with your information including hotel information, personal information, arrive date and leave data.



## Publication

### Special Issue on "Solid State Ionic Materials"

A. The *Journal of Materiomics* aims to provide a continuous forum for the dissemination of research in the general field of materials science, particularly systematic studies of the relationships among composition, processing, structure, property, and performance of advanced materials. Supported by the Chinese Ceramic Society, the *Journal of Materiomics* is a peer-reviewed open-access journal, without publishing charges to authors. The journal is planning a special issue (to be published in March, 2019) focused on the progress in solid state ionic materials. Guest Editors are Prof. Yunhui Huang ([huangyh@tongji.edu.cn](mailto:huangyh@tongji.edu.cn)), Prof. Arumugam Manthiram ([manth@austin.utexas.edu](mailto:manth@austin.utexas.edu)), and Prof. B.V.R. Chowdari ([chowdari@ntu.edu.sg](mailto:chowdari@ntu.edu.sg)).

<https://www.journals.elsevier.com/journal-of-materiomics/call-for-papers/special-issue-on-solid-state-ionic-materials>

B. Published by The Science Press, started in 1986, monthly, 112 pages per issue, the *Journal of Inorganic Materials* is an academic periodical with English abstracts sponsored by the Shanghai Institute of Ceramics, Chinese Academy of Sciences. The journal is planning a special issue focused on the progress in solid state ionic materials as well.

<http://www.jim.org.cn/EN/column/column13.shtml>

You are welcome to submit research papers or review papers to special issues of the two journals.

## Awards

In order to stimulate the enthusiasm of young scientists, especially graduate students, the conference will set up excellent Oral Report Awards and Poster Awards. The winners will receive reward certificates and bonuses. The detail of reward selection is as follows:

1. Participants: oral speakers and poster authors, non directors, under the age of 35 years;
2. Oral Report Awards: the proportion is 10% of all oral speakers, and will be selected by the Council;
3. Poster Awards: the proportion is 10% of all poster authors (mainly graduate and postdoctoral representatives) during the meeting, and will be selected by the Council.

## Sponsors

	Shanghai Mikrouna Glovebox
	Neware Battery Tester
	eTrust Power Group Ltd.
	Shenzhen CAPCHEM Technology Co. Ltd.
	Ganfeng Lithium Co.,Ltd
	Journal of Inorganic Materials

## Contact

Dr. WeiLuo [weiluo@tongji.edu.cn](mailto:weiluo@tongji.edu.cn) 17301746519

Dr. Renyuan Zhang [ryzhang@tongji.edu.cn](mailto:ryzhang@tongji.edu.cn) 13917541483

Dr. Jun Jin [junjin@mail.sic.ac.cn](mailto:junjin@mail.sic.ac.cn) 15800835320

Address: School of Materials Science and Engineering, Tongji University, 4800 Cao An Road, Jiading, Shanghai, 201804, China.

E-mail: [cssi2018@tongji.edu.cn](mailto:cssi2018@tongji.edu.cn)

Web link: <https://ssic.tongji.edu.cn/English/Homepage.htm>

## Travel information

Shanghai is well connected with all the major cities of China via air, rail and road. The Pudong International airport is approximately 45 minutes drive from the conference venue located in the city.

### 1. Shanghai Hongqiao Airport and railway station:

Take the No. 10 subway and get off at Tongji University station.

### 2. ShangHai Railway Station:

Take the No. 4 subway to Helen Road, and turn to No. 10 subway to Tongji University station.

### 3. Shanghai Pudong International Airport:

➤ Take the airport bus No. 4 to Wujiaochang, and turn No. 10 subway to the Tongji University station;

➤ Take No. 2 subway to Nanjing Road station, and turn No. 10 subway to Tongji University station.