



Energy Materials

2023

October 10-13, 2023
Huzhou, Zhejiang, China



Organized by

The Chinese Society for Metals

The Minerals, Metals & Materials Society

Co-organized by

Zhejiang Jiuli Hi-tech Metals Co., Ltd.

Central Iron and Steel Research Institute

Zhejiang Society of Metallurgy

Supported by

CITIC Metal Co., Ltd. & Companhia Brasileira de Metalurgia e Mineracao

State Key Laboratory for Advanced Metals and Materials

State Key Laboratory for Metal Material for Marine Equipment and Application

www.energymaterials2023.com

General Information

Energy Materials 2023 will be organized jointly by The Chinese Society for Metals (CSM) and The Minerals, Metals, and Materials Society (TMS) on October 10-13, 2023 in Huzhou, Zhejiang Province, China. Energy Materials Conferences take turns to be held every three years in China and USA.

Energy Materials 2023 will build on the success of the inaugural Energy Materials meeting, convened by TMS and the Chinese Society for Metals (CSM) in 2014, in Xi'an, China, and the Energy Materials 2017 Conference, co-located with TMS2017 in San Diego, US.

For Energy Materials 2023, more than 100 abstracts have been received from Australia, China, Germany, Italy, Japan, Sweden, US etc. We kindly invite you to participate in this meaningful conference and are looking forward to meeting you in Huzhou, China.



Topics

- Materials for Advanced Ultra-Supercritical Power Systems
- Materials for Nuclear Energy
- Materials for Gas Turbines
- Materials for Oil and Gas
- Materials for Energy Storage and Power Batteries
- Materials for Hydrogen Energy and Fuel Cell
- Structural and Functional Material for Renewable Energy

Conference Chairs

Xiaogang Zhang The Chinese Society for Metals, China
Brad Boyce The Minerals, Metals, and Materials Society, USA

Conference Advisor

Yong Gan The Chinese Society for Metals, China

International Technical Committee

Director

Zhiling Tian The Chinese Society for Metals, China
Jim Robinson The Minerals, Metals, and Materials Society, USA

Executive Chairs

Zhengdong Liu Central Iron & Steel Research Institute, China
Xingbo Liu West Virginia University, USA

Conference Chairs

Chengjia Shang
Cheng Su

University of Science and Technology Beijing, China
Jiuli Group, China

Plenary Speakers

- 1. Augusto Di Gianfrancesco, European Creep Collaborative Committee, Italy**
Presentation Title: ECCC history and value of work done for the introduction and use of newer materials
- 2. Guocai Chai, Alleima Group, Sweden**
Presentation Title: Considerations on long-term property and behaviours of heat resistant materials used in energy industries
- 3. Yifan Diao, LONGi Green Energy Technology Co., Ltd, China**
Presentation Title: Photovoltaic and "PV+" Industry Perspectives
- 4. Xingbo Liu, West Virginia University, USA**
Presentation Title: Intermediate Temperature Proton Conducting Solid Oxide Electrolysis Cells with Improved Performance and Durability
- 5. Bin Long, China Institute of Atomic Energy, China**
Presentation Title: The Challenge of Materials Selection for Lead-cooled Fast Reactors
- 6. Iris Rommerskirchen, JiuLi-EBK, Germany**
Presentation Title: Applications of Nickel Alloys in Aqueous Solutions
- 7. Maria Skyllas-Kazacos, School of Chemical Engineering, UNSW Sydney, Australia**
Presentation Title: To be determined
- 8. Arumugam Manthiram, University of Texas at Austin, USA**
Presentation Title: Next-generation Battery Chemistries
- 9. Xin Sun, Oak Ridge National Lab, USA**
Presentation Title: Clean Energy and Decarbonization Research at Oak Ridge National Laboratory
- 10. Ziqi Sun, Queensland University of Technology, Australia**
Presentation Title: Molecular Self-assembly of 2D Nanomaterials for Sustainable Energy Storage and Conversion
- 11. Zhiling Tian, The Chinese Society for Metals, China**
Presentation Title: To be determined
- 12. Koichi Yagi, National Institute for Materials Science (NIMS), University of Science & Technology Beijing, Japan**
Presentation Title: Importance of basic materials research for life assessment of 9Cr steels used in USC power plants
- 13. Min Zhu, South China University of Technology (SCUT), China**
Presentation Title: Advanced Metal-Based Anode Materials for Li Storage

Technical Program Book

The accepted abstracts will be published in the technical program book which will be issued to attendees at the conference.

Presentation

- Authors could choose the type of presentation (oral or poster) in the online abstract submission. The final result will be given to the author after the paper is reviewed by experts.
- Each presentation could be arranged in the technical program only if at least one author's registration fee is paid before September 15, 2023.

Conference Schedule

Date	Activity		
	Morning	Afternoon	Evening
October 10, 2023 (Tuesday)	— —	Registration	Registration
October 11, 2023 (Wednesday)	Opening Ceremony Plenary Session	Parallel Sessions	— —
October 12, 2023 (Thursday)	Parallel Sessions	Parallel Sessions	— —
October 13, 2023 (Friday)	Post Technical-Visits: Zhejiang Jiuli Hi-tech Metals Co., Ltd.		
Conference Venue: Grand New Century Hotel			

Official Language

Official language for plenary session is English. The official language for parallel session is English and Chinese.

Post Technical-Visit

Date: October 13, 2023

Time: 9:00-13:00

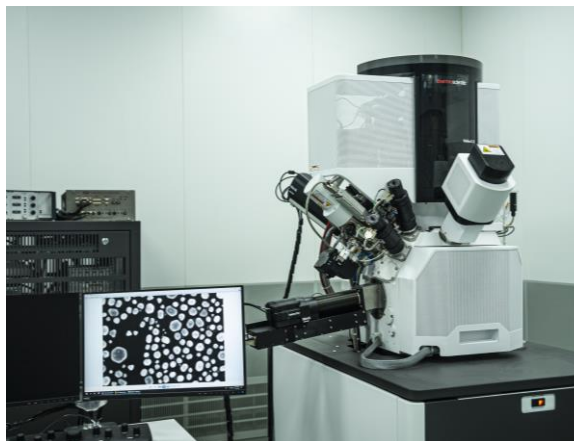
Visiting Company: Zhejiang Jiuli Hi-tech Metals Co., Ltd.

Website: www.jiuli.com

Company Introduction:

Zhejiang Jiuli Hi-Tech Metals Co., Ltd. was established in 1987 as a holding subsidiary of Jiuli Group Co., Ltd. It is located in Huzhou city of Zhejiang Province, a city on the South bank of Taihu Lake in the center of the Yangtze River Delta. Jiuli (Stock code: 002318) is a listed company specializing in the R&D and production of industrial stainless steel and special alloy pipes, bars, wires, bimetal composite pipes, pipe fittings and other pipeline products.

With the nationally recognized enterprise technology center, CNAS, academician expert workstations, and post-doctoral scientific research workstations as innovation and R&D platforms, Jiuli has built a world-leading seamless pipe (hot extrusion/perforation + cold rolling/cold drawing) production line and FFX forming, JCO forming and other welded pipe production lines to provide safe and reliable products for oil, natural gas, electric power, nuclear power, chemical, shipbuilding, new energy and other fields. Its production and sales of pipes have ranked first in China for many years.



Registration Fee

★ CNY 2500 (Regular)

★ CNY 1500 (Student)

Entitlement

Registration fee for regular participants covers:

Conference fee, Technical program book, Banquet, Extended abstract proceedings, Tea/Coffee Break, Lunch and supper buffet during the conference, Name badge etc.

Registration fee for students covers:

Conference fee, Technical program book, Extended abstract proceedings, Tea/Coffee Break, Lunch and supper buffet during the conference, Name badge

Method of Payment

1. Online Payment

Through the conference online payment, all payments could be made by credit card.

2. Bank Transfer

Please transfer the registration fee to the following bank account, and specify with “EM2023, Registration No.”. A copy of remittance certificate is requested to send to the conference secretariat or submit to the conference website.

Name of Bank	INDUSTRIAL AND COMMERCIAL BANK OF CHINA BEIJING NATIONAL CULTURAL AND FINANCIAL COOPERATION DEMONSTRATION ZONE JINJIE SUB-BRANCH
Beneficiary and Account Holder	The Chinese Society for Metals
Address	NO. 269 WANG FU JING STREET DONG CHENG DISTRICT BEIJING CHINA
SWIFT ADDRESS	ICBKCNBJBJM
Account Number	0200000709089116848

3. Payment in CNY at the Registration Desk

Attendees are requested to pay by credit card on the registration day.

Visa Application

People from most countries will be required to obtain a visa to enter the People's Republic of China. Participants who are required to apply for visa to enter China can apply for a Chinese visa at the nearest Embassy or Consulate of China in your countries. For some visa applications, the process could take some time to complete, depending on your country of origin and certain visa restrictions so we would like to suggest you start the visa application as early as possible.

As conference hosts, we can issue you an invitation letter for your visa with the necessary signature and official stamp. If you need, please contact with the conference secretariat by email: energymaterials@csm.org.cn.

Tips: Local organizers could NOT provide conference invitation letter to accompanying personnel according to related regulations. We suggest that accompanying personnel apply for tourism type visa, which will be much easier and require less paperwork.

Notes:

1. You should guarantee that all information provided is true and correct.
2. In the letter for visa, we can only guarantee your stay in Huzhou during conference period.
3. General visa information should be obtained from your local Embassy or Consulate of China.

Conference Venue / Hotel Reservation

The conference will be held in Grand New Century Hotel on October 10-13, 2023.

For the participants of Energy Materials 2023, the recommended hotel is Grand New Century Hotel. The special rates will be effective from October 9-14, 2023. The favorable price for the conference participants is:

★ **King Bed Room: CNY 500 (including Breakfast)**

★ **Twin Beds Room: CNY 450 (including breakfast)**

Add: No.555 Laodong Road, Wuxing District, Huzhou China

Please log in the conference website: www.energymaterials2023.com and reserve the hotel online.

If you have any questions during the reservation, please feel free to contact the conference secretariat.

Transportation

Shanghai Hongqiao International Airport to Huzhou: 2 hours

Shanghai Pudong International Airport to Huzhou: 3 hours

Hangzhou Xiaoshan International Airport to Huzhou: 2 hours

Conference Secretariat

Ms. Fang Liu, Mr. Xin Zhao

The Chinese Society for Metals

Tel: +86-10-65211205

Fax: +86-10-65124122

Email: energymaterials@csm.org.cn

Website: www.energymaterials2023.com