

5TH AUSTRALIA-CHINA CONFERENCE ON SCIENCE, TECHNOLOGY AND EDUCATION

In conjunction with

5TH AUSTRALIA-CHINA SYMPOSIUM FOR MATERIALS SCIENCE

20-23 July 2014

Innovation Campus – North Wollongong, 2500, Australia



HOSTED BY

INSTITUTE FOR
SUPERCONDUCTING AND
ELECTRONIC MATERIALS



UNIVERSITY OF
WOLLONGONG





The 5th Australia-China Conference on Science, Technology and Education will be held in conjunction with the 5th Australia-China Symposium for Materials Science at the University of Wollongong (UOW), Australia, on 20th – 23rd July 2014, bringing together about more than 300 eminent experts and scholars from both Australia and China.

The 5th Australia-China Conference on Science, Technology and Education will focus on strategic topics including energy, materials, water, food security, science, technology, education, commerce and trade, Chinese businesses in Australia and international relations.

The 5th Australia-China Symposium for Materials Science will bring together scientists and engineers in materials science and engineering. This multidisciplinary symposium will cover topics including nano-scale, energy, superconducting, electronic, biomedical, magnetic, and environmental materials.

The aims of the joint conference are to:

- (1) Further the bilateral understanding of important issues concerning Australia and China;
- (2) Facilitate interdisciplinary and strategic collaboration and communication among science, technology, humanity and social sciences, and education between Australia and China;
- (3) Provide a forum for the exchange of ideas and networking among representatives from governments, academia, industry and research organisations of the two nations;
- (4) Support career development of young Chinese scholars in Australia and China; and
- (5) Disseminate knowledge of the latest developments and progresses in science, technology and education.

The Federation of Chinese Scholars in Australia

The Federation of Chinese Scholars in Australia (FOCSA) was established in 2004 to represent Chinese scholars and Professionals in Australia.

FOCSA promotes scientific and technological advances, and promotes self-development of Chinese Australian scholars across all disciplines; fosters exchanges and cooperation in science, technology and education among Chinese Australian scholars, among Chinese professional associations in Australia; encourages Chinese Australians or their affiliated professional associations to make contributions toward the progress in science and technology and the economic development both in Australia and China; and coordinates members to organise events at the federal level and/or represent Chinese Australian scholars to participate in events at the international level.

The University of Wollongong

The University of Wollongong (UOW) was established in 1951 and ranks among the top 2% of universities in the world. In 2012, UOW was ranked the 33rd in the Top 100 Under 50 years old World University Rankings by Times Higher Education.

With more than 30,000 students spread across three campuses and five access centres, the University offers a range of courses over five faculties.

The University has always had a strong research focus and has developed an international reputation for its applied research (often in partnership with industry or government) in areas relevant to national economic, technological and social goals.

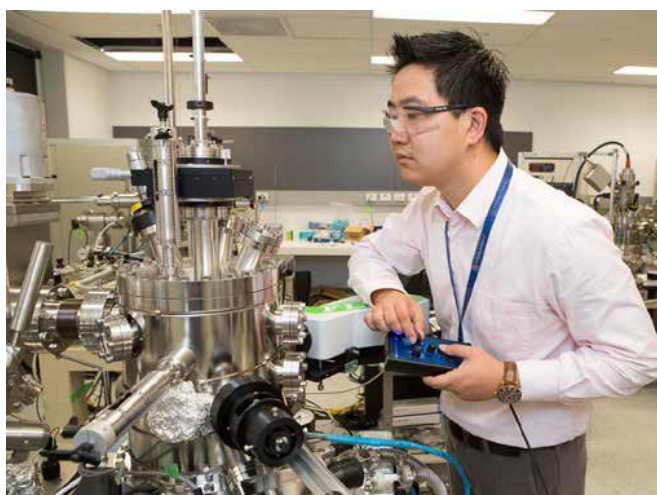


The Institute for Superconducting and Electronic Materials

Conference host, the Institute for Superconducting and Electronic Materials (ISEM) was established in 1994 and is a flagship research institute of the University of Wollongong. Located in the state-of-the-art Australian Institute for Innovative Materials (AIIM) on the University's Innovation Campus, researchers at ISEM are working on enabling technologies that will have an important role in the future of energy technology, advanced electronic and medical technology as well innovative materials and manufacturing.

Led by Professor Shi Xue Dou, an Australian Professional Fellow and Fellow of the Australian Academy of Technological Science and Engineering, ISEM is recognised as world leaders in superconductors, electronics, energy materials, terahertz science, and an emerging program on nanomaterials for health and solar energy conversion.

The Institute's track record of high quality research has attracted strong interest from national, international partners and industry partners. It has struck partnering or collaborative research arrangements with more than 70 companies and research institutions in Australia and throughout the world.



Venue

The conference will be held at the University's Innovation Campus, a world-class, award-winning research and commercial precinct, located an hour south of Sydney.

Topics

The joint conference will feature presentations in the following areas including:

For 5th Australia-China Symposium for Materials Science:

- Nanomaterials for energy harvesting including solar energy
- Energy storage materials including batteries, capacitors and hydrogen storage
- Thermoelectrics for waste heat recovery
- Piezo-electronics, ferroelectrics and multiferroics
- Superconducting and spintronic materials
- Biomaterials
- Opto-electronics and photonics
- Photocatalysis and water splitting
- Thin film technology
- Structural materials
- Computational design and modelling
- Novel applications of functional materials

For 5th Australia-China Conference on Science, Technology and Education:

- Biotechnology and medical research
- Food Sciences, Agriculture and Natural Resources;
- Civil Engineering, Electrical and Electronic, Mining Engineering;
- Mechanical Engineering and Mechatronics;
- Computer Engineering, Communication Technology and Informatics;
- Environmental Science and Engineering;
- Humanity and Social Sciences;
- Commerce, Business, Finance and Management;
- Politics and International Relations;
- Technology Transfer and Commercialisation.

Publications

Papers presented at this Symposium will be published in Scientific Reports Proceedings. All manuscripts will be subjected to Scientific Reports usual peer review processes.

Important Dates

Abstract submission due	5 May 2014
Early bird registration due	5 May 2014
Hotel reservations	5 May 2014

Registration

Early bird registration	\$A500
Regular registration	\$A550
Student	\$A200

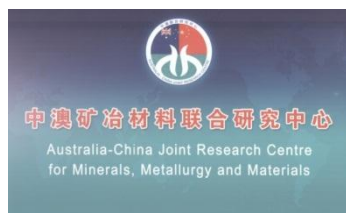
Poster Awards

- Two poster awards by Small Wiley publisher
- Two poster awards by Royal Chemistry Society Frontier Inorganic Chemistry
- Two poster awards by FOCSA
- One poster awards by Scientific Reports

Sponsorships

Sponsorships for this high profile conference are invited to join the conference's Platinum sponsor the Australia-China Joint Research Centre for Mineral, Metallurgy and Materials (<http://acjrc-3m.unsw.edu.au/>) (\$50,000). Sponsor benefits include displaying names and logos during the conference and acknowledgement in all conference related publications. Sponsors will also be welcome to attend conference events.

Platinum:



Gold:



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Silver:

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Poster award sponsors:



Advisory Committee

Professor Jing Hai Li, Vice President of Chinese Academy of Science (Chair)

Professor Max Lu, FAA, FTSE, FICHEM, former President of FOCSA, Deputy Vice-Chancellor (Research), University of Queensland

Professor Aibing Yu, FAA, FTSE, Former President of FOCSA, University of NSW

Professor Min Gu, FAA, FTSE, Laureate Fellow, Former President of FOCSA, Swinburne University

Professor Dongke Zhang, FTSE, Former President of FOCSA, University of Western Australia

Organising Committee

Co-Chair: Professor Shi Xue Dou, FTSE, President of FOCSA, University of Wollongong

Co-Chair: Professor Hui Ming Cheng, FCAS, Symposium Chair of 2nd ACSMS, Institute of Metal Research, Chinese Academy of Sciences

Professor Shi Lun Qiu, Vice President of Jilin University, Symposium Chair of 4th ACSMS

Professor Hao Wang, Symposium Chair of 1st ACSMS, University of Southern Queensland

Professor Hui Jun Zhao, Symposium Chair of 3rd ACSMS, Griffith University,

Professor Xiang Dong Yao, Symposium Chair of 3rd ACSMS, Griffith University

Professor Min Zhu, Symposium Chair of 4th ACSMS, South University of Science and Technology

Program Committee

Co-Chair: Professor Wei Zhang, Deputy President of FOCSA, Flinders University

Co-Chair: Professor Xiaolin Wang, Secretary General of FOCSA, University of Wollongong, e-mail: Xiaolin@uow.edu.au

Dr Yi Du, University of Wollongong (Finance), e-mail: ydu@uow.edu.au

Dr. Germanas Peleckis, UoW (Coordinator), e-mail: Peleckis@uow.edu.au

Mrs Crystal Mahfouz, UoW (Secretary), e-mail: clongin@uow.edu.au; Tel: 61 2 4221 5730

Members (TBD)

5th ACSMS

Plenary Speakers: (Invited from outside Australia & China)

Professor Judith Driscoll, University of Cambridge, UK

Professor Hideo Hosono, Tokyo University of Technology

Professor Jeff Snyder, Caltech, USA

Professor Zhong Lin Wang, Georgia Tech. USA

Keynotes:

Professor Rose Amal FTSE, University of NSW

Professor Hui Ming Cheng, FCAS, Institute of Metal Research, CAS, China

Professor Michael S. Fuhrer, Laureate Fellow, Monash University

Professor Min Gu, Laureate Fellow, FAA, FTSE, Former President of FOCSA, Pro-Vice Chancellor, Swinburne University, Australia

Professor Chennupati Jagadish, Laureate Fellow, FAA, FTSE, Australian National University, Australia

Professor Lei Jiang, FCAS, Bei Hang University, Institute of Chemistry, CAS, China

Dr. Esther Levy, Consulting Editor, Materials Science, Polymer & Physics Journals Wiley, Melbourne

Professor Ya Dong Li, FCAS, Tsing (Qing) Hua University, China

Professor Zhong Fan Liu, FCAS, from Peking University

Professor Doug Macfarlane, Laureate Fellow, FAA, Monash University

Professor Paul Mulvaney, Laureate Fellow, FTSE, University of Melbourne, Australia

Professor Shilun Qiu, State Key Laboratory of Inorganic Synthesis & Preparative Chemistry Jilin University

Professor Sean Smith, Oak Ridge National laboratory,

Professor Yi Xie, FCAS, University of Science and Technology of China

Professor Jin Hua Ye, National Institute of Materials Science, Japan

Invited Speakers: (Partial list)

Professor Mark James Biggs, University of Adelaide

A/Professor Rachel Caruso, University of Melbourne

Professor Chaun Bing Cai, Shanghai University, China

Professor Ying Chen, Deakin University

Professor Ian Gentle, University of Queensland

Professor Lin Guo, Bei Hang University

Professor Wei Chang Hao, Bei Hang University

Professor Yanglong Hou, Pecking University

Professor Yunhui Huang, Huazhong University of Science and Technology

Professor Shane Kennedy, Bragg Institute, ANSTO

Professor Yong- Mook Kang, Dongguk University, South Korea

Professor Hansu Kim, Hanyang University, Korea

Professor Sang-Woo Kim, Sungkyunkwan University, South Korea

Professor ChangMing Li, South West University China

Professor Dan Li, Monash University,

Professor Sean Li, UNSW

Professor Yi Nong Liu, University of Western Australia

Prof Yanwei Ma, Institute of Electrical Engineering, CAS

Professor Peter Murphy, University of South Australia

Professor Kostya Ostrikov, Division of Materials Science CSIRO

Professor Shi Zhang Qiao, University of Adelaide

Professor Hong Bo Sun, Jilin University

Professor Litao Sun, Vice Dean, School of Electronic Science and Engineering, Southeast University

Professor Kiyonori Suzuki, Monash University

Professor Zhi Yong Tang, Nano Centre, CAS

Professor Nagarajan Valanoor, University of NSW

Professor Ajayan Vinu, University of Queensland

Professor Dan Wang, Institute of Process Engineering, CAS

Professor Hao Wang, University of Southern Queensland

Professor Guo Xiu Wang, University of Technology

Professor Lian Zhou Wang, University of Queensland

Professor Zhaoxiang Wang, Institute of Physics, CAS

Professor Gang Wei, CSIRO

Professor Yongyao Xi, Fudan University

Professor Xianran Xing, University of Science and Technology, Beijing

Professor Tianying Xiong, Institute of Metal Research, CAS

Professor Yusuke Yamauchi, National Institute of materials Science, Japan

Professor Xiang Dong Yao, Griffith University

Professor Hua Gua Yang, Griffith University

Professor Quan Hong Yang, Tianjin University

Professor Yong Yang, Xiamen University

Professor Yuan sheng Yang, Institute of Metal Research, CAS

Professor Michael Yu, University of Queensland

Professor Shu-Hong Yu, University of Science and Technology of China

Professor George Zhao, University of Queensland

Professor Hui Jun Zhao, Griffith University

Professor Jiuzhou Zhao, Institute of Metal Research, CAS

Professor Hua Zhang, Nanyang Technological University, Singapore

Professor Jiatao Zhang, Beijing Institute of Technology

Professor Jin Zhang, Peking University

Professor John Zhu, University of Queensland

Professor Jin Zou, University of Queensland

5th ACCSTE

Keynotes:

Professor Jing Hai Li, Vice President of Chinese Academy of Science

Professor Yiu-Wing Mai, FAA, FTSE, University of Sydney

Professor Mark Wainwright, former Vice Chancellor of University of NSW

Professor Paul Wellings, Vice Chancellor of University of Wollongong

Professor Aibing Yu, FAA, FTSE, former President of FOCSA, University of NSW

Professor Dongke Zhang, FTSE, former President of FOCSA, University of Western Australia

Professor Dong Yuan Zhao, FCAS, Fudan University

Professor Wei Zhang, Deputy President of FOCSA, Flinders University



Getting to UOW - Innovation Campus

Car Travel: Participants planning to travel to the conference by car please refer to <http://maps.google.com> and find directions to go to 'Squires Way, North Wollongong, NSW, 2500'.

-Travel via car should take approximately 1 hour and 5 minutes from Sydney Airport.

Train Travel: Participants planning to travel to the conference by train please refer to: www.cityrail.info for timetables. You would need to use the South Coast line and get off at Fairy Meadow station.

-Travel via train should take approximately 1 hour and 45 minutes from Central Station (additional 10 minutes from Sydney Airport).

-Once at Fairy Meadow station you can take the free Gong Shuttle Bus (green) to the Innovation Campus.

For bus timetable please refer to:

www.uow.edu.au/about/transport/shuttles

Airport Pick-Up Service: If you would like to book a shuttle bus from the airport directly to your accommodation please use Leisure Coast Limousine Service, Ph. +61-2-4261 7393. It is AU\$60.00 per adult.

A representative of Leisure Coast Limousines will meet you at the "Meeting Point" a designated meeting area in the International Terminal (please see photo below). The "Meeting Point" is opposite the ANZ bank, and is located between Gates B and Gates C in the Arrivals Hall. The representative will have a sign with the UOW logo on it.



Hotel Information

Below is a partial list of accommodation that can be found in Wollongong. Please contact the accommodation providers directly for rates, availability and reservations.

1) Beach Park Motor Inn

10 Pleasant Avenue, North Wollongong

Ph: +61-2-4226-1577

www.beachparkmotorinn.com.au

2) Belmore All Suite Hotel

39 Smith Street, Wollongong

Ph: +61-2-4224-6500

www.belmore.net

3) Chifley Hotel Wollongong

60/62 Harbour Street, Wollongong

Ph: +61-2-4201 -2111

www.chifleyhotels.com.au

4) Pioneer Sands Serviced Apartments

19-21 Carters Ln, Towradgi

Ph: +61-2-4252-1111

www.choicehotels.com.au/en/quality-suites-pioneer-sands-towradgi-hotel-au758

5) Novotel Northbeach

2/14 Cliff Road, Wollongong

Ph: +61-2-4224-3111

Discount code: ACSMS Conference

www.novotelnorthbeach.com.au

6) Boat Harbour Motel

7-9 Wilson St, Wollongong NSW 2500

Ph: +61-2-4228-9166

boatharbour-motel.com.au

