



5<sup>th</sup>International Conference on

# Materials Science and Engineering

September 23-26, 2024 | JW Marriott Phuket Resort & Spa, Phuket, Thailand



#### **INSTRUCTIONS FOR SPEAKERS**

- 1. Invited talks: Authors will be allotted 17 minutes to present their results, followed by a 3 minutes discussion period.
- 2. Oral talks: Authors will be allotted 12 minutes to present their results, followed by a 3 minute discussion period.
- 3. Please do not exceed the allotted time slot
- 4. Speakers should have their presentations saved on a USB memory stick.
- 5. It is suggested to email a copy of the presentations to us as back up.
- 6. Please prepare the presentation in PPT files, PDF is not recommended.
- 7. Basic AV setup will be provided: laser pointer, cordless mike, desktop mike, sound system.
- 8. Laptops equipped with Windows 10, Office 2010 Pro English (Word, Powerpoint, Excel) and Adobe Reader are provided.
- 9. If your presentation files contain movies, please make sure that they are well formatted and connected to the main files. You may check your slides during the breaks.
- 10. Projectors are equipped with standard VGA connection ports. Mac users should bring their own adapter cord.
- 11. Please re-check this program prior to the conference to confirm if any changes have been made to your session.
- 12. Conference volunteers will move the mic during Q&A. Audience with questions may raise hand to receive the mic.

#### INSTRUCTIONS FOR POSTER PRESENTATION

- 1. Maximum poster size is A0
- 2. Push pins for attaching the poster to the board will be provided.
- 3. Poster presenters will be directed to the designated board at the start of the poster session.
- 4. Author must be present to provide details and answer questions during the selected poster session times.

#### **SPEAKER ZOOM GUIDELINES**

#### How to Participate in a Zoom Meeting?

If you have trouble logging in to Zoom or any technical issues, please write to us at y.yamauchi@materialsconferenceaustralia.com or call us +61 0416 000 202 (Direct phone and WhatsApp).

#### Join a Meeting

- Join a meeting by clicking on a Zoom link provided on the program
- Follow the prompts to download and run Zoom application
- Enter the meeting ID if prompted
- · Click to join the audio.
- When you are in the meeting, click on the Start Video button to start your video.

If you already have Zoom software installed: Open the Zoom platform, click 'join' and enter the meeting ID and password.

#### **Mute/Unmute & Audio Settings**

You can mute and unmute your microphone. The host also can mute you. We recommend using a headset and/or microphone as it will lead to better sound quality than using your computer audio. Turn off all sound notifications on your device. Note: During the presentation we will unmute everyone except the speaker and the chairs.

#### **Screen Share**

You will be allowed to share your screen during your presentation. Your computer screen will become visible to all the participants once you start sharing your screen. Please close all other applications on your computer so that notifications do not appear during your presentation. Keep the PowerPoint slide open on your system before you click the 'Share Screen' button. You are recommended to share the specific PowerPoint slide and not your desktop.

#### Q&A

The participants should use the "Raise Hand" function and the moderator will allow the participants to unmute themselves and ask questions.

#### **Presentation Timings**

Please note that all the timings mentioned in the program are as per the Thailand Time (GMT+7) time zone. Do ensure that you check the time difference well in advance and join the meeting at least 30 minutes prior to your scheduled presentation time. If you need us to tell the specific time slot for your presentation (in local time zone), do let us know.



# Room A

September 23, 2024 Time Zone: Thailand Time (GMT+7)

**Join Zoom Meeting** https://zoom.us/j/97256286525?pwd=1lBgbePjWUTnzIX3hYKXErqhts72yd.1

09:00-18:00 **Registrations - Foyer** 

	EDATO O LI COLLO DE LA COLLO DEL LA COLLO DEL LA COLLO DE LA COLLO
	ERATO Special Session
Session Chair	Tokihiko Yokoshima, JST-ERATO and Nagoya University, Japan
09:50-10:00 (PKT) 12:50-13:00 (QLD) 11:50-12:00 (JPN)	Opening Remark (ERATO Project Coordinator, Professor Tokihiko Yokoshima, JST- ERATO and Nagoya University, Japan)
10:00-10:30 (PKT) 13:00-13:30 (QLD) 12:00-12:30 (JPN)	Challenges and Insight with Computational Heterogeneous Catalysis Debra Bernhardt, The University of Queensland, Australia
10:30-11:00 (PKT) 13:30-14:00 (QLD) 12:30-13:00 (JPN)	Nonmetal Materials for Catalytic Reactions Shaobin Wang, University of Adelaide, Australia
11:00-11:30 (PKT) 14:00-14:30 (QLD) 13:00-13:30 (JPN)	Nanoparticle Platforms for Therapeutic Applications Frank Caruso, University of Melbourne, Australia
11:30-12:00 (PKT) 14:30-15:00 (QLD) 13:30-14:00 (JPN)	Atom Transfer Radical Coupling: Harnessing ATRP for Organic Synthesis Michelle Coote, Flinders University, Australia
12:00-14:00 (PKT) 15:00-17:00 (QLD) 14:00-16:00 (JPN)	Lunch Break
	ERATO Special Session
14:00-14:30 (PKT) 17:00-17:30 (QLD) 16:00-16:30 (JPN)	Single Molecule Nanotechnologies for Applications in Cancer and Immunotherapy Matt Trau, The University of Queensland, Australia
14:30-15:00 (PKT) 17:30-18:00 (QLD) 16:30-17:00 (JPN)	Boron Nitride Nanotubes and Nanosheets: Synthesis, Properties and Applications Dmitri Golberg, Queensland University of Technology, Australia
15:00-15:30 (PKT) 18:00-18:30 (QLD) 17:00-17:30 (JPN)	Materials Innovation for Green Hydrogen Production and High-performance Batteries Guoxiu Wang, University of Technology Sydney, Australia
18:00 - 21:00	Welcome Reception - M Beach Club

# Room A

September 24, 2024
Time Zone: Thailand Time (GMT+7)

## Join Zoom Meeting

https://zoom.us/j/97256286525?pwd=1lBgbePjWUTnzIX3hYKXErqhts72yd.1

	https://20011.us/j/3/230200325:pwd=hbgber jwo HiziXoHTIXCEIqhts/2yd.1
08:50 - 09:20	Registrations
09:20 - 09:30	Opening Ceremony by Conference Chairs
	ERATO Special Session
Session Chairs	Yusuke Yamauchi, The University of Queensland, Australia Md. Shahriar A. Hossain, The University of Queensland, Australia
09:30-09:55	ERATO Overview: Towards the 2 <sup>nd</sup> Generation of Porous Materials Yusuke Yamauchi, The University of Queensland, Australia
09:55-10:20	Flexible Mesopores in Nanoscrolls: Extraordinarily Large Alteration of Pore Sizes and their Reversibility (Online) Yusuke Asakura, Nagoya University, Japan
10:20-11:00	Coffee Break
11:00-11:25	Giant Piezoresponse in Nanoporous (Ba,Ca) (Ti,Zr)O <sub>3</sub> Thin Film Md. Shahriar A. Hossain, The University of Queensland, Australia
11:25-11:50	In-Situ Self-Assembled Nanomolecular Systems for Selective Sensing Applications Jonathan P. Hill, National institute for Materials Science, Japan
11:50-12:15	Enabling more Deterministic SERS Sensing of Environmental Contaminants using Hierarchical Porous Metals (Online)  Joel Henzie, National Institute for Materials Science (NIMS), Japan
12:15-12:40	Significant Impact of Interfacial Controls In Nanomaterials  Miharu Eguchi, Waseda University, Japan
12:40-13-30	Lunch Break
13:30-13:15	Synthesis of Chiral Au Nanostructures on Mesoporous Au Substrates for Enhanced Chiral Sensing Applications (Online)  Kenta Nakagawa, Waseda university, Japan
	Session: Ceramics, Polymers and Composite Materials
Session Chairs	Shiyang Tang, The University of New South Wales, Australia Akiyasu Yamamoto, Tokyo University of Agriculture and Technology, Japan
13:55-14:15	(Invited) Liquid Metal-Polymer Composites: A Soft-Soft Combination with Exciting Properties
14:15-14:35	Shiyang Tang, The University of New South Wales, Australia  (Invited) Crack Healing for Robust Environmental Barrier Coating  Ayahisa Okawa, Tohoku University, Japan
14:35-14:55	(Invited) Development of Iron-based Superconducting Magnet Through Researcher-& Data-driven Process Design and Microstructural Deep Learning Akiyasu Yamamoto, Tokyo University of Agriculture and Technology, Japan
14:55-15:30	Coffee Break
15:30-15:45	Robust Structures from Natural Plants Binodhya Wijerathne, Queensland University of Technology, Australia
15:45-16:00	Enhanced Thermoelectricity in Mg <sub>2</sub> Si incorporated with Carbon Microfiber and Bismuth (Online)  Md Rezoanur Rahman, University of Wollongong, Australia

**Join Zoom Meeting** https://us05web.zoom.us/j/89959978210?pwd=9YM9awoS7T0ZupgiY7M9IExXR7qNtq.1

08:50 - 09:20	Registrations
09:20 - 09:30	Opening Ceremony by Conference Chairs
	Session: Energy and Environmental Materials
Session Chairs	Ziqi Sun, Queensland University of Technology, Australia Jinwoo Lee, Korea Advanced Institute of Science and Technology, Republic of Korea
09:30-09:50	(Invited) Generating Green Hydrogen from 2D Materials Ziqi Sun, Queensland University of Technology, Australia
09:50-10:10	(Invited) Next-Generation Sulfur Cathode: Electrocatalyst to Accelerate Sulfur Conversion Reaction  Jinwoo Lee, Korea Advanced Institute of Science and Technology, Republic of Korea
10:10-10:30	(Invited) Advanced Atomic Catalysts Design for Energy Systems Bolong Huang, The Hong Kong Polytechnic University, Hong Kong
10:30-11:00	Coffee Break
11:00-11:20	(Invited) Semiconductor Catalyst-Based Composite Systems for Environmental Betterments: A Case of Photo-Hydrogenation of CO <sub>2</sub> to Methanol Toyoko Imae, National Taiwan University of Science and Technology, Taiwan
11:20-11:40	(Invited) Scanning Probe Microscopy Imaging of Line Defect on Rutile TiO <sub>2</sub> (110)-(1×2) (Online)  Daiki Katsube, RIKEN, Japan
11:40-12:00	(Invited) Promotion Effect of W <sup>6+</sup> and Ga <sup>3+</sup> Cations on the Photocatalytic Activity of Zn <sup>2+</sup> Al <sup>3+</sup> Layered Double Hydroxides (HDLs) and ZnAl Mixed Oxides Obtained from their Zn <sup>2+</sup> Al <sup>3+</sup> LDHs in the Photodegradation of Contaminants Diclofenac and 4-Chlorophenol in Aqueous Medium.  Arturo Barrera, University of Guadalajara, CUCIENEGA, México
12:00-12:20	(Invited) Heterogeneous Transition Metal-Based Electrocatalysts for Water Splitting and CO <sub>2</sub> Reduction  Jasmin Shamshoddin Shaikh, Chulalongkorn University, Thailand
12:20-12:35	Single-Atom Catalysts for Energy Storage and Conversion Hao Tian, University of Technology Sydney, Australia
12:35-13:30	Lunch Break
Session Chairs	Esmail Doust Khah Heragh, Istinye University, Turkey Ravichandar Babarao, RMIT University, Australia
13:30-13:50	(Invited) Metal-Support Interaction in Catalysis Esmail Doust Khah Heragh, Istinye University, Turkey
13:50-14:10	(Invited) Enhancement of Electrocatalytic Activity of Metal-Organic Frameworks for Water Splitting at Elevating Temperatures (Online)  Muhammad Faisal Iqbal, Emerson University Multan, Pakistan

14:10-14:30	(Invited) Accelerating Materials Discovery Through High Throughput Simulations and Machine Learning Approach for Energy and Environmental Applications Ravichandar Babarao, RMIT University, Australia
14:30-14:50	(Invited) High-Performance Semitransparent Organic Solar Cells and Modules Chang Zhi Li, Zhejiang University, China
14:50-15:05	Dynamically Engineering Nanostructured Electrodes for Advanced Electrochemical Devices Cheng Yang, Tsinghua University, China
15:05-15:30	Coffee Break
15:30-15:45	Towards Bio-Inspired Hydrophobic Modifiers for the Treatment of Clay Minerals Samadhi Fernando, Monash University, Australia
15:45-16:00	Multilayered Graphene Membrane for Flexible Ammonium-ion Storage Device Syam G. Krishnan, The University of Melbourne, Australia
16:00-17:00	Poster Presentations and Gathering
MO1	The Study on Corrosion Effect of Aluminum – Zinc Coated on Steel Surface by the Hot Dipped
	Atchaporn Bailee, King Mongkut's University of Technology Thonburi, Thailand
MO2	Unveiling the Design Logic of Artificial Polymer Layer on Cu Current Collector for Practical Anode Free Lithium Metal Batteries  Ju Hyun Lee, Korea Advanced Institute of Science and Technology, Republic of Korea
МО3	Enhancing Selectivity of Peroxidase Mimicking Nanozyme via Ligands Regulation of Ruthenium Single Atom Seonhye Park, Korea Advanced Institute of Science and Technology, Republic of Korea
MO4	Achieving Durable Ammonia Oxidation by Stabilizing *NH Intermediates on Pt-Skins at Ordered Intermetallic Pt-Zn Cores Hakyung Min, Korea Advanced Institute of Science and Technology, Republic of Korea
MO5	Enhancing the Long-term Durability of Multiredox-reaction Electrodes in Sodium-ion Hybrid Capacitors  Jung Tae Lee, Kyung Hee University, Republic of Korea
MO6	Fabrication of Transparent Conducting Film for Organic Photovoltaic Cells by Carbonization of Polyethylene Thin Film  Dalsu Choi, Myongji University, Republic of Korea
МО7	CO <sub>2</sub> -Derived Edge-Boron-Doped Hierarchical Porous Carbon Catalysts for Highly Effective Electrochemical H <sub>2</sub> O <sub>2</sub> Production Jong Min Kim, Korea Institute of Science and Technology, Republic of Korea
MO8	A Study on Formability of Rear Floor Applied with Lightweight Vibration Damping Steel Plate Material Sungmoon Yang, Daegu University, Republic of Korea
МО9	Computational Modelling of the Electronic and Structural Properties of Doped Porous Germanium for Acetone Sensing
	Miguel Cruz-Irisson, Instituto Politecnico Nacional, Mexico
	Closing of Day 2

## Join Zoom Meeting

https://zoom.us/j/97256286525?pwd=1lBgbePjWUTnzIX3hYKXErqhts72yd.1

	Session: Biomaterials, Bioengineering and Bio-related Applications
Session Chairs	Roger Narayan, North Carolina State University, USA Matthew J. Griffith, University of South Australia, Australia
09:30-09:50	(Invited) Innovative Approaches for Processing Drug-Containing Coatings and Drug Delivery Devices Roger Narayan, North Carolina State University, USA
09:50-10:10	(Invited) Semiconducting Polymer Nanoparticles: Soft Materials to Overcome Hard Challenges in Neuroengineering Matthew J. Griffith, University of South Australia, Australia
10:10-10:30	(Invited) Fabrication and Characterization of Biaxially Expanded Polymeric Tubes for Coronary Stent Application Pooja Bhati, Indira Gandhi Delhi Technical University for Women, India
10:30-11:00	Coffee Break
11:00-11:20	Mesoporous Gold-Based SERS Assay for Detecting Ovarian Cancer-Derived Extracellular Vesicles (Online) Javeria Bashir, University of Queensland, Australia
11:20-11:35	Formulation and Characterization of a Novel Quercetin Conjugated MgO Nanoparticle for Cancellous Alveolar Bone Tissue Regeneration Samapti Padhihary, National Institute of Technology Rourkela, India
11:35-11:50	Advanced 3D Bioprinting of Iron (III) Crosslinked Carboxymethyl Cellulose Bioinks for Enhanced Soft Tissue Regeneration Hien Phuong Le, The University of Adelaide, Australia
	Session: Porous Materials
Session Chairs	
Session Chairs	Brian Yuliarto, Institut Teknologi Bandung, Indonesia Jongbeom Na, Korea Institute of Science and Technology, Republic of Korea
11:50-12:10	
	Jongbeom Na, Korea Institute of Science and Technology, Republic of Korea  (Invited) Water-based Synthesis of Metal-Organic Frameworks (MOFs) for Carbon Neutral Society
11:50-12:10	Jongbeom Na, Korea Institute of Science and Technology, Republic of Korea  (Invited) Water-based Synthesis of Metal-Organic Frameworks (MOFs) for Carbon Neutral Society Kevin CW. Wu, National Taiwan University, Taiwan  (Invited) Development of Metal-Organic Frameworks as a Biosensor Matrix for Detecting Infectious Diseases Caused by Viruses
11:50-12:10 12:10-12:30	Jongbeom Na, Korea Institute of Science and Technology, Republic of Korea  (Invited) Water-based Synthesis of Metal-Organic Frameworks (MOFs) for Carbon Neutral Society Kevin CW. Wu, National Taiwan University, Taiwan  (Invited) Development of Metal-Organic Frameworks as a Biosensor Matrix for Detecting Infectious Diseases Caused by Viruses Brian Yuliarto, Institut Teknologi Bandung, Indonesia

	Session: Advanced Characterizations
Session Chairs	Jack Evans, The University of Adelaide, Australia Rami Haj Ali, Tel-Aviv University, Israel Zhimei Sun, Beihang University, China
14:10-14:30	(Invited) Crystal Structure and Chemical Bonding Studies Using Convergent-Beam Electron Diffraction Bikas Aryal, Monash University, Australia
14:30-14:50	(Invited) The Computational PHFGMC Micromechanical Nonlinear Analysis for Aerospace Composites, Biomaterials, and Engineered Tissues  Rami Haj Ali, Tel-Aviv University, Israel
14:50-15:10	(Invited) Predicting the Dynamic Properties of Materials  Jack Evans, The University of Adelaide, Australia
15:10-15:30	Coffee Break
15:30-15:50	(Invited) Accelerating the Discovery and Design of Novel Materials by ALKEMIE Zhimei Sun, Beihang University, China
15:50-16:05	Mesoscale Modeling for Predicting Mechanical Properties of Hemp Fiber Composites Considering Yarn Variability
	Gittima Prathumthong, King Mongkut's University of Technology Thonburi, Thailand
16:05-16:25	(Invited) Liquid Metal Derived Functional Nanointerfaces (Online) Ali Zavabeti, University of Melbourne, Australia

## **Room B**



## Join Zoom Meeting:

https://us05web.zoom.us/j/89959978210?pwd=9YM9awoS7T0ZupgiY7M9IExXR7qNtq.1

	Session: Electronics and Optical Materials
Session Chairs	Sudha Mokkapati, Monash University, Australia Long Ren, Shanghai University, China Karu P. Esselle, University of Technology Sydney, Australia
09:30-09:50	(Invited) Intramolecular Triplet-Triplet Fusion in Benzimidazole-decorated Bisanthracene and Its Application for Blue Organic Light-emitting Diode Jiun Haw Lee, National Taiwan University, Taiwan
09:50-10:10	(Invited) Metasurfaces for Microwave Beam Steering Karu P. Esselle, University of Technology Sydney, Australia
10:10-10:30	(Invited) Preparation and Application of Liquid Metal-Based Heterocomposites Long Ren, Shanghai University, China
10:30-11:00	Coffee Break
11:00-11:20	(Invited) A Novel Quantum Computing Platform: Superconducting Bosonic Quantum System Jaw Shen Tsai, Tokyo University of Science, Japan
11:20-11:40	(Invited) Layered Semiconductors for Electronic Sensing and Optoelectronic Applications Sudha Mokkapati, Monash University, Australia
11:40-11:55	Flexible Silicon Carbide (SiC) Electrodes for Implantable Devices Thanh An Truong, University of New South Wales, Australia
	Session: Nanotechnology and Nanoscience
Session Chairs	Jun Fukushima, Tohoku University, Japan Md. Shahriar A. Hossain, The University of Queensland, Australia
Session Chairs 11:55-12:15	
	Md. Shahriar A. Hossain, The University of Queensland, Australia  (Invited) Nanotechnology-Driven Personalised Medicine: Nano-Sensing Systems for Early Disease Detection and Trace Biomarker Profiling
11:55-12:15	Md. Shahriar A. Hossain, The University of Queensland, Australia  (Invited) Nanotechnology-Driven Personalised Medicine: Nano-Sensing Systems for Early Disease Detection and Trace Biomarker Profiling  Alain Wuethrich, University of Queensland, Australia  (Invited) Vertical Graphenes: Synthesis, Functionalization and Applications
11:55-12:15 12:15-12:35	Md. Shahriar A. Hossain, The University of Queensland, Australia  (Invited) Nanotechnology-Driven Personalised Medicine: Nano-Sensing Systems for Early Disease Detection and Trace Biomarker Profiling  Alain Wuethrich, University of Queensland, Australia  (Invited) Vertical Graphenes: Synthesis, Functionalization and Applications  Mineo Hiramatsu, Meijo University, Japan
11:55-12:15 12:15-12:35 12:35-13:30	Md. Shahriar A. Hossain, The University of Queensland, Australia  (Invited) Nanotechnology-Driven Personalised Medicine: Nano-Sensing Systems for Early Disease Detection and Trace Biomarker Profiling  Alain Wuethrich, University of Queensland, Australia  (Invited) Vertical Graphenes: Synthesis, Functionalization and Applications  Mineo Hiramatsu, Meijo University, Japan  Lunch Break  (Invited) Design and Performance Study of Sb-based Anode Materials for Sodiumion Batteries

14:25-14:45	(Invited) Silica Confinement for Stable Co-Cu Alloy Nanoparticles in Nitrogen-Doped Carbon for Enhanced Hydrogen Evolution (Online)
	Chao Wan, Anhui University of Technology, China
14:45-15:00	Investigation of the Solid Electrolyte Interphase and Interfaces in FSI-based Ionic Liquids with Various Cations for Na-ion Batteries (Online)  Mahin Maleki, Deakin University, Australia
	ividi ili i ividieni, Dedniri Offiversity, Australia

15:00-15:30	Coffee Break
15:30-15:50	(Invited) Functional Nanocoatings in the Modern Age (Online)  Md Julker Nine, The University of Adelaide, Australia
15:50-16:10	(Invited) Printed Gas/VOC Chemiresistive Sensors (Online) Kamrul Hassan, The University of Adelaide, Australia
16:10-16:30	(Invited) Adsorption Energies and Thermodynamics on Semiconductors Surfaces Based on Machine Learning (Online) Akira Kusaba, Kyushu University, Japan
17:00 Hrs Onw	vards Cocktails Party

International Conference on 10



# Room A

September 26, 2024 Time Zone: Thailand Time (GMT+7)

## **Join Zoom Meeting:**

https://zoom.us/j/97256286525?pwd=1IBgbePjWUTnzIX3hYKXErqhts72yd.1

	Session:Materials Science and Engineering
Session Chairs	Muhammad Iqbal, Institute of Technology Bandung, Indonesia Minsu Han, University of Queensland, Australia
09:30-09:50	(Invited) Waterborne Polymer Nanocomposites: Design and Application Vipul Agarwal, The University of New South Wales, Australia
09:50-10:10	(Invited) Nanostructured Bi <sub>2</sub> Se <sub>3</sub> Film and Its Glucose Sensing Properties (Online) Minsu Han, University of Queensland, Australia
10:10-10:30	(Invited) Nickel MOF-74@N-Doped Carbon-Embedded Polymorph Nickel Selenide as A Potential Candidate for Electrode in Asymmetric Supercapacitors  Muhammad Iqbal, Institute of Technology Bandung, Indonesia
10:30-11:00	Coffee Break
	ERATO Session (ERATO members only)
Session Chairs	Yunqing Kang, Nagoya University, Japan
11:00-11:20	Mesoporous Amorphous Substrate for Atomic Dispersion of Pt-Group Atoms Yunqing Kang, Nagoya University, Japan
11:20-11:40	Entropy Stabilized Multi-Metallic Mesoporous Nanospheres
	Ravi Nandan, National Institute for Materials Science, Japan
11:40-12:00	Synthesis of Hybrid Carbon Catalysts Consisting of Metal Single-Atom Sites and Nanoparticles and Their Applications
	Xiaoqian Wei, Nagoya University, Japan
12:00-12:20	Nanoengineering Mesoporous Hierarchical Structures Based on Metal-Organic Frameworks  Yingji Zhao, Nagoya University, Japan
40.00.40.40	
12:20-12:40	Mesoporous Nanomaterials for Advancing Disease Diagnosis  Mostafa Kamal Masud, The University of Queensland, Australia
12:40-13:00	Synthesis of Nanoporous Organic Polymers by Using Water-Soluble Perovskite Fluorides as Templates Steven Adiwijaya, Nagoya University, Japan
13:00-13:20	Synthesis of End-to-End Open Mesoporous Carbon Supports for Enhanced Mass Transfer in Electrochemical Applications
	Minjun Kim, University of Queensland, Australia
13:20-13:40	Functional Covalent Organic Frameworks for Electrochemical Applications  Dong Jiang, Nagoya University, Japan
	Closing

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We Look forward to seeing you at

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