



# INTERNATIONAL INNOVATION FORUM ON OFF-SHORE WIND AND WAVE ENERGY

Macau University of Science and Technology, Macau, China  
August. 15, 2022-August. 19, 2022



## ABOUT IFOSWWE 2022

International Innovation Forum on Off-shore Wind and Wave Energy (IFOSWWE 2022) is scheduled to be held at Macau University of Science and Technology, Macau Special Administrative Region, China, from August 15th to 19th, 2022. Experts and scholars around the world are welcome to contribute and participate in the conference to discuss and exchange the latest research progress, opportunities and challenges in related fields.

IFOSWWE was founded by Australia-China Joint Research Centre of Offshore Wind and Wave Energy Harnessing. The center consists of ten scientific academies and two renewable energy corporates. Shanghai Jiao Tong University and The University of Adelaide, as the leading unit of China and Australia respectively, are actively developing systematic research on offshore wind-wave energy combined power generation technology. Members of the academies include National Ocean Technology Center, China, Commonwealth Scientific and Industrial Research Organization, Australia, Dalian University of Technology, China, the University of Western Australia, Nanjing University of Aeronautics and Astronautics, China, Swinburne University of Technology, Australia, China University of Mining and Technology, and University of Tasmania, Australia, which are responsible for research projects that matching their professional expertise. As corporates, Goldwind Science Technology Co., Ltd., China and Carnegie Clean Energy Ltd., Australia are to provide technical support and expand the possibility of the knowledge achievements of the commercialization center. IFOSWWE in the last 2 years were held online in Xuzhou, China due to the COVID-19. As the world will be out of the pandemic, Macau University of Science and Technology, International Joint Research Center of Central and Eastern European Countries on New Energy Electric Vehicle Technology and Equipment, China-Australia Joint Research Centre of Offshore Wind and Wave Energy Harnessing plan to hold International Innovation Forum on Off-shore Wind and Wave Energy from August 15 to 19, 2022 in Macau, China. The forum invites government representatives, scholars and industrial researchers around the world to discuss the new situation and new technologies of Marine energy development, so as to promote the long-term development of Guangdong-Macao In-Depth Cooperation Zone in Hengqin and Guangdong-Hong Kong-Macau Greater Bay Area (GBA).

IFOSWWE 2022 will be held in a hybrid (onsite and virtual) conference. Onsite representatives from Chinese mainland region should attend the conference in accordance with epidemic prevention and control measures. The epidemic prevention and control measures for onsite representatives from other countries, Hong Kong, Taiwan regions of China will be announced prior to the conference.

## SPONSORED BY

- Macau University of Science and Technology
- International Joint Research Center of Central and Eastern European Countries on New Energy Electric Vehicle Technology and Equipment
- Australia-China Joint Research Centre of Offshore Wind and Wave Energy Harnessing

## HOSTED BY

- Faculty of Innovation Engineering, Macau University of Science and Technology
- IEEE Macau Section
- International Cooperation Joint Laboratory of New Energy Power Generation and Electric Vehicles of Jiangsu Province Colleges and Universities
- Shenzhen Research Institute of China University of Mining and Technology
- Xuzhou High Value Patent Cultivation Demonstration Center for Electric Vehicle Power System
- Xuzhou Key Laboratory of New Energy Electric Vehicle Technology and Equipment
- Institute of Internet of Things and Logistics Engineering of Jinan University

## SUPPORTED BY

- Companhia de Electricidade de Macau
- Professional Committee of Wind Energy of Jiangsu Energy Research Society

## IMPORTANT DATES

SUBMISSION DEADLINE	June 10, 2022
NOTIFICATION DEADLINE	June 15, 2022
REGISTRATION DEADLINE	June 20, 2022
CONFERENCE DATES	August 15-19, 2022

## SUBMISSION GUIDELINES

Please submit full papers to <https://icnf.mike-x.com/PNOzd>. All submitted papers should be in the form of .pdf and are to be limited to a maximum length of 6 pages (Letter size, single space, Times Roman of font size 10, two columns format), including figures, tables and references. Upon acceptance, authors will be required to register and present their papers. Papers will be included in the conference collections only if at least one of the authors is officially registered.

Submission Link: <https://icnf.mike-x.com/PNOzd>



## ORGANIZING COMMITTEE

### GENERAL CHAIRS

- Prof. Xiaodong Li, Macau University of Science and Technology
- Prof. Hao Chen, China University of Mining and Technology

### GENERAL CO-CHAIRS

- Prof. Ye Li, Shanghai Jiao Tong University
- Prof. Shitang Ke, Nanjing University of Aeronautics and Astronautics
- Prof. Li Zou, Dalian University of Technology
- Researcher Bo Jiang, China National Ocean Technology Center
- Xingang Zhang, Deputy General Manager of Goldwind
- Prof. Ben Cazzolato, The University of Adelaide
- Prof. Mark Herner, Commonwealth Scientific and Industrial Research Organisation
- Prof. Christophe Gaudin, The University of Western Australia
- Prof. Richard Manasseh, Swinburne University of Technology
- Prof. Irene Penesis, University of Tasmania
- Jonathan Fievez, Technical Director of Carnegie Clean Energy Ltd.
- Prof. Jianqing Li, Macau University of Science and Technology
- Prof. Hongfei Guo, Jinan University
- Zongbin Yue, Principal Advisor to The Executive Committee of CEM (Macau Electric Power Company)
- Prof. Man Chung Wong, University of Macau
- Prof. Ningyi Dai, University of Macau
- Xiaoju Liu, Director of Power and Network Dispatch Department of CEM (Macau Electric Power Company)

### GENERAL SECRETARIAT

- Song Hu, Changshu Institute of Technology
- Wenju Yan, China University of Mining and Technology
- Qing Wang, Nanchang University

## CALL FOR PAPERS

### CONFERENCE TRACKS

Authors are invited to submit full papers describing original research work in areas including, but not limited to:

- Track 1: Topology, Modulation and Control of Power Converters; Energy Harvesting Systems for Off-Shore Energy Generation; Electrical Energy Storage System; Smart Grids, Microgrids Applications
- Track 2: Design and Analysis of Rotating Motor and Linear Motor; Electrical Drive Systems and Control; Online Monitoring and Detection of Motors and Drive Systems
- Track 3: Joint Wind and Wave Resource Assessment, Site Selection, Foundation Design and Optimization. Intelligent Management of Offshore Wind Farm and Smart Data Collection, Prediction and Analysis of Offshore Wind and Wave Energy Based on Digital Twin

## CONFERENCE PROGRAM

DAY 01	Onsite Registration - August 15, 2022
DAY 02	Opening, Keynote Speeches and Technical Sessions - August 16, 2022
DAY 03	Keynote Speeches and Technical Sessions - August 17, 2022
DAY 04	Academic Visiting - August 18-19, 2022

**CONTACT US** Conference Secretary: Ms. Lairyn Xu

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