



September 9-13

Taipei, Taiwan

# awtec 2018

The 4th Asian Wave and Tidal Energy Conference

# Conference Proceedings

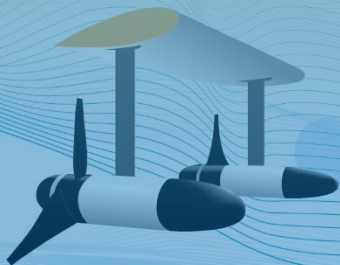
## Organizer

National Taiwan Ocean University

## Co-organizers

Ministry of Science and Technology, R.O.C.

Taiwan Society of Naval Architects and Marine Engineers



# Welcome Message

It is our privilege and honor to welcome you to 4th Asian Wave and Tidal Energy Conference (AWTEC 2018) which will be held in **Taipei, Taiwan on September 9-13**. The event will be a platform for engineers, researchers, experts to keep abreast of the current state-of-the-art advancements in ocean energy in a broad sense, ranging from wave energy, tidal energy, ocean thermal energy, ocean current energy, to offshore wind energy.

The AWTEC conference was first held in Jeju, Korea in 2012. Then it was held in Tokyo and Singapore in subsequent every two years. With the efforts of all delegates, the Organizing Committee members, and the previous organizers, the AWTEC conference series quickly become the most important event in ocean energy in Asia. These Conferences provide a forum to promote scientific advancement, technological progress, information exchange, and cooperation among engineers and researchers in ocean energy in an interdisciplinary spectrum. Relevant scientists, researchers and engineers are welcome to take advantage of this opportunity to submit and present their research work and/or industrial applications and interact with other experts in this challenging field. In addition to technical sharing, you can also enjoy the rich traditional culture and international hospitality in metropolitan Taipei. It is a dynamic city perfectly mixed with oriental tradition and western modernity. Furthermore, just with a 40-minute drive from Taipei city, the National Northeast Scenic Coast invites you into a world of emerald seas and mountains and blue skies, a winding coastline of capes and bays, and fine sandy beaches. Of course, You may spend a day visiting the National Palace Museum and linger for another day along old streets and Gold Ecological Park of Jioufeng, a small mountain village and Taiwan's gold mining center in the past, for a deep traditional touch of Taiwan.

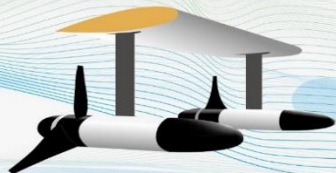
I believe AWTEC 2018 will be a fruitful event for you to share and to enjoy. We look forward to welcoming you in the golden season of 2018.



Jianh-Horng Chen



Chairman of AWTEC 2018



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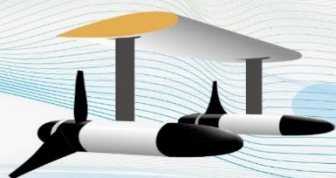
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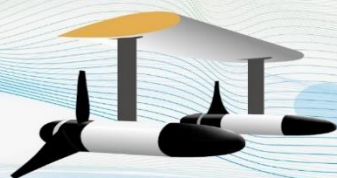
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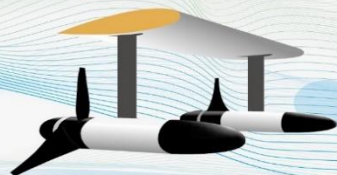
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- ▶ President Takeshi Kinoshita, Nagasaki Institute of Applied Science (Japan)
- ▶ Prof. Chul H. Jo, Inha University (Korea)
- ▶ Dr. Narasimalu Srikanth , Nanyang Technological University (Singapore)



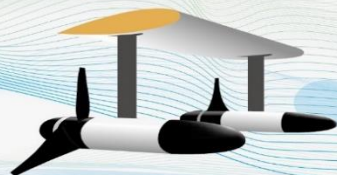
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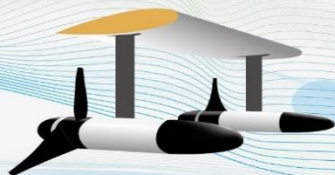
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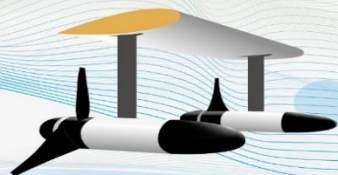
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- ▶ Cameron Johnstone, University of Strathclyde (UK)
- ▶ Mats Leijon, Uppsala University (Sweden)



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- ▶ Pai-Chen Guan (Technical Chair), National Taiwan Ocean University
- ▶ Yaw-Huei Lee (Program Co-Chair), National Taiwan Ocean University
- ▶ Wei-Chu Weng (Program Co-Chair), National Taiwan Ocean University
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University of Strathclyde, UK

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Narasimalu Srikanth

Nanyang Technological Institute, Singapore

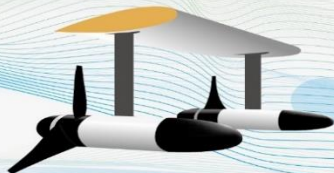
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Ken Takagi

University of Tokyo, Japan

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National Taiwan University, Taiwan

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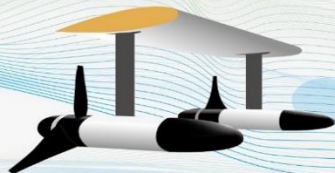
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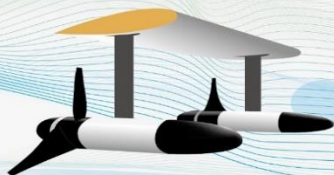
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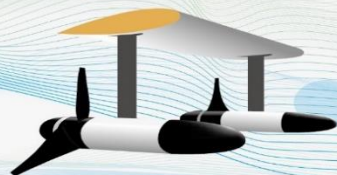
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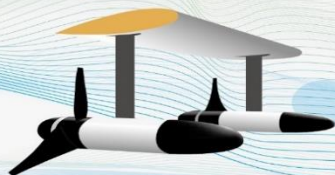
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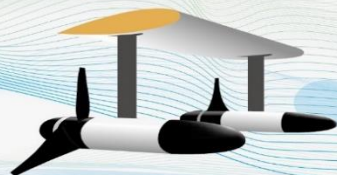
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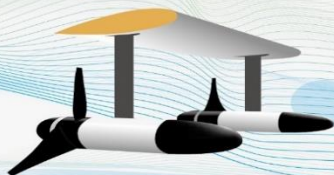
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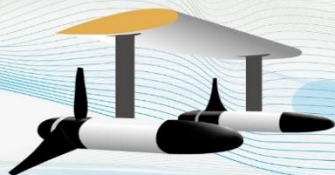
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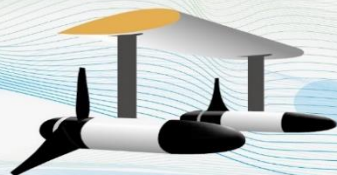
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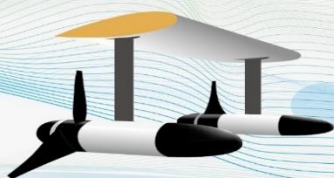
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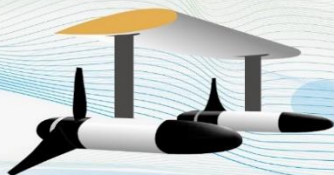
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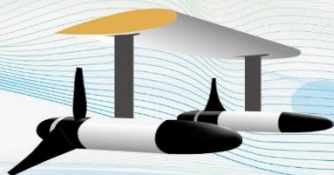
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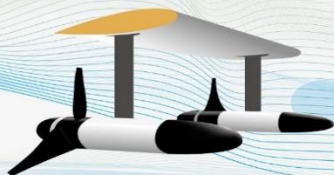
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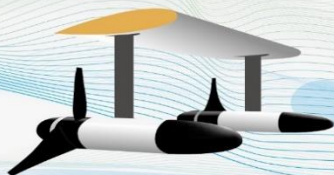
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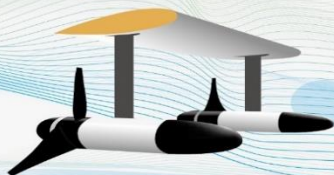
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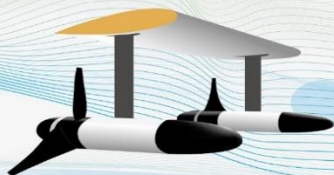
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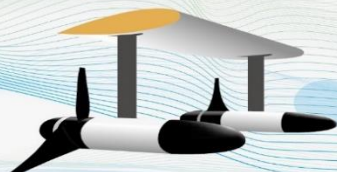
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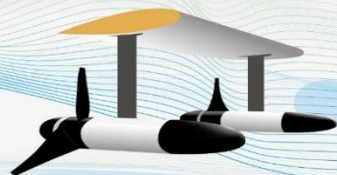
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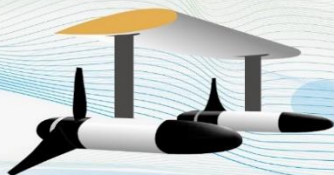
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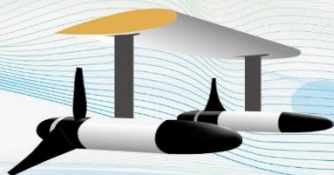
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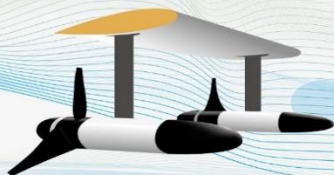
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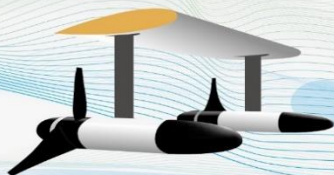
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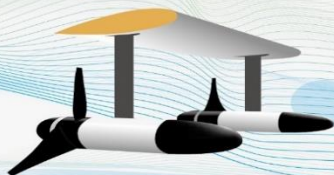
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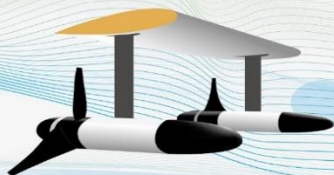
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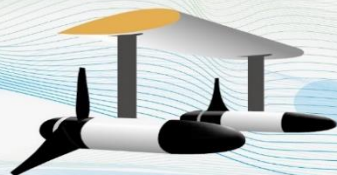




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