

The Third International Workshop on Eco-shoreline Designs for Sustainable Coastal Development

Date: 3 January 2022

Venue: City University of Hong Kong

Programme

0830-0900 **Registration**

0900-0925 **Opening Ceremony of the Workshop**

Master of Ceremonies: Ms Thea Bradford, PhD Candidate, State Key Laboratory of Marine Pollution (SKLMP), City University of Hong Kong (CityU), Hong Kong, China

Welcoming Remarks by Professor Chun-Sing Lee, Dean and Chair Professor, College of Science, CityU, Hong Kong, China

Opening Remarks by Mr Ricky Chun-Kit Lau, JP, Permanent Secretary for Development (Works), Development Bureau, the Government of the Hong Kong SAR, Hong Kong, China

Workshop Introduction by Professor Kenneth Mei-Yee Leung, JP, Director of SKLMP, and Acting Head and Chair Professor of Chemistry Department, CityU, Hong Kong, China

Group Photo-Taking

Morning Session, Chairperson: Dr Juan Carlos Astudillo

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0925-1005 **Invited Lecture 1 by Dr Jason Toft**, Principal Investigator, School of Aquatic and Fishery Sciences, University of Washington, Seattle, USA

Lecture title: *Restoring "Living" to Armored Shorelines in Puget Sound, WA, USA* [\[online\]](#)

1005-1035 **Invited Lecture 2 by Dr Jon Miller**, Research Associate Professor, School of Engineering and Science, Stevens Institute of Technology, USA

Lecture title: *An engineering perspective on the design of living/eco shorelines in a changing climate* [\[online\]](#)

1035-1100 **Coffee Break**

Programme

- 1100-1130 **Invited Lecture 3 by Dr Katherine Dafforn**, Senior Lecturer, Department of Earth and Environmental Sciences, Macquarie University, Sydney, Australia
Lecture title: *Ecological responses to eco-engineering from micro- to macro-scales and consequences for ecosystem function* [\[online\]](#)
- 1130-1200 **Invited Lecture 4 by Rebecca Morris**, Lecturer, School of Biosciences, University of Melbourne, Australia
Lecture title: *Nature-based Methods for Reducing Risk from Coastal Hazards* [\[online\]](#)
- 1200-1230 **Invited Lecture 5 by Christian J. Lange**, Associate Professor (Teaching), Department of Architecture, The University of Hong Kong, Hong Kong, China
Lecture title: *3D printed interventions for natural habitats*
- 1230-1400 Lunch Break
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Afternoon Session, Chairperson: Professor Kenneth M. Y. Leung

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- 1400-1430 **Invited Lecture 6 by Dr Ido Sella**, Chief Executive Officer and Co-Founder, EConcrete® Tech LTD., Israel
Lecture title: *“Respnsubuliding”: a new area in coastal construction* [\[online\]](#)
- 1430-1500 **Invited Lecture 7 by Professor Stephen J. Hawkins**, Professor of Natural Sciences, Ocean and Earth Science, National Oceanography Centre Southampton, University of Southampton, UK; Marine Biological Association of the United Kingdom, Plymouth, UK
Lecture title: *Bottom-up mixing and top-down biofiltration for urban ecosystem restoration: pioneering work in the Liverpool Docks* [\[online\]](#)
- 1500-1530 **Invited Lecture 8 by Dr Louise Firth**, Associate Professor, School of Biological and Marine Sciences, University of Plymouth, UK
Lecture title: *Greening the grey: a precautionary approach to ecosystem service enhancement in the marine built environment* [\[online\]](#)
- 1530-1600 **Invited Lecture 9 by Ms Vriko Yu**, PhD Candidate, School of Biological Sciences, The University of Hong Kong, Hong Kong, China
Lecture title: *Enhancing coral restoration success with 3D-printed terracotta reef tiles*
- 1600-1625 Coffee Break
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1625-1655 **Invited Lecture 10 by Dr Juan Carlos Astudillo**, Research Associate, SKLMP, CityU, Hong Kong, China

Lecture title: *Eco-engineering can enhance marine biodiversity on vertical seawalls in Hong Kong*

1655-1725 **Invited Lecture 11 by Mr Chi-Chiu Lo**, PhD Candidate, School of Biological Sciences, The University of Hong Kong, Hong Kong, China

Lecture title: *Eco-engineering can enhance marine biodiversity on riprap sloping seawalls in Hong Kong*

1725-1755 **Invited Lecture 12 by Dr David Gallacher**, Executive Director, AECOM Asia Company Ltd., representing the Civil Engineering and Development Department, the Government of the HKSAR, Hong Kong, China

Lecture title: *Tung Chung New Town Extension (East) eco-shoreline: site trial observations and findings* [\[Online\]](#)

1755-1825 **Roundtable Discussion on Design Criteria for Eco-engineered Fixtures** [\[Hybrid Mode\]](#)

Moderator: Professor Kenneth Mei-Yee Leung

1825-1840 **Closing Ceremony**

Closing Remarks by Mr Alan Kai-Yan Tang, Chief Engineer, Port Works Division, Civil Engineering and Development Department, the Government of the Hong Kong SAR, Hong Kong, China

Acknowledgements by Professor Kenneth Mei-Yee Leung
