



## **6<sup>th</sup> BTV Technical Presentations (19<sup>th</sup> June 2017)**

As an integral part of the 6<sup>th</sup> BTV, Technical Presentations will be provided by eminent professionals on the topic of 'Working with Nature'. PIANC Australia and PIANC YPCom are honoured to have assembled a prestigious group of speakers who will provide a series of interesting presentations. The presentations will be held on June 19<sup>th</sup> at the Hilton Hotel in Cairns. Note that registration opens at 8.45 and presentations commence at 9.15.

Speaker bios and a presentation program are provided below. We look forward to an exciting day of presentations.

### **Opening Address: Mr Kevin Kane**

Kevin Kane is the Senior Manager – Environment for North Queensland Bulk Ports Corporation (NQBP), based in Mackay. In this role Kevin leads environmental management across four of Queensland's largest bulk commodity Ports.

With a diverse career in areas of environmental research and management, Kevin has a range of expertise covering areas of fisheries science and regulation, environmental evaluation and management, government policy and compliance and transport and infrastructure logistics.

Kevin also had the privilege to sit on a range of local advisory panels and regional committees, and is currently the Chair of the Mackay Whitsunday Healthy Rivers to Reef Partnership - Technical Working Group, charged with guiding the development of the regions first River to Reef report card.

At present, Kevin is also co-chair of a PIANC's EnviCom Working Group 175, on a "A Practical Guide to Environmental Risk Management of Navigational Infrastructure Projects". Kevin was previously the Chair of the Queensland Ports Association Environment and Planning Committee and is a key note speaker at the 2017 Coasts and Ports Conference.

### **Keynote Presentation: Professor Tiedo Vellinga**

Tiedo Vellinga MSc. obtained his degree in Civil Engineering (coastal engineering) at the Delft University of Technology in 1979. Since then he has been working for the Port of Rotterdam Authority in the field of infrastructure- and water management. His main present positions and activities are:

- Professor Ports and Waterways, Hydraulic Engineering Section, Civil Engineering and Geo-Sciences, Delft University of Technology. In this position he is a member of the team of the Hydraulic Engineering Department.
- Director Environmental Monitoring Maasvlakte 2. Tiedo Vellinga was in the management team for the realization of the Rotterdam port expansion Maasvlakte 2 responsible for the environmental studies, conditions and permits. Since the start of the realization he is responsible for all the inherent environmental monitoring and evaluation.



- Project leader for the development and the implementation of the Environmental Ship Index (ESI), a World Ports Climate Initiative. Before that he prepared the World Ports Climate Declaration from which the ESI resulted as one of the international projects.
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### **Ms Marika Calfas**

Marika Calfas is the CEO of NSW Ports, the private sector organisation responsible for managing the ports of Botany and Kembla and intermodal terminals at Cooks River and Enfield.

Marika has over 16 years' experience in the port sector across a broad range of portfolio areas and was appointed as CEO of NSW Ports in December 2015. Marika commenced with NSW Ports at its inception in June 2013 and led the development of the NSW Ports Long Term Master Plan, released in October 2015. Prior to NSW Ports, Marika held senior positions at Sydney Ports Corporation and Sinclair Knight Merz.

Marika is a Board member of: Ports Australia; Australian Logistics Council; and PIANC, as well as Australia's representative to PIANC's International Environmental Commission. Marika is also a member of the IPA National Advisory Board.

Marika has a degree in Environmental Engineering together with a Masters of Engineering Management and Masters of Environmental Law and is a Chartered Professional Engineer with Engineers Australia.

### **Mr Lyle Banks**

Lyle Banks is the General Manager, Development and Trade at Pilbara Ports Authority, responsible for strategic developments at Ashburton, Dampier and Port Hedland. He has 30 years' national and international experience in port planning and development in both the private and public sector and has held senior management roles in Planning, Development and Environment at Fremantle Ports and Port Hedland Port Authority.

Lyle started his career preparing environmental impact statements for coastal and marine projects, which included extensive use of physical and numerical modelling and environmental monitoring. Since moving to Western Australia, he has managed major marine developments and port upgrades at Fremantle, Dampier and Port Hedland, including environmental approvals and compliance and post implementation monitoring.

### **Ms Simona Duke**

With close to 20 years' experience in the fields of environmental management and strategy focused in the port sector in the Great Barrier Reef World Heritage Area, Simona now manages sustainability and innovation for NQBP. She is responsible for the development of corporate sustainability and



innovation strategy, building sustainability programs and processes and providing leadership on sustainability and innovation across the business.

With tertiary studies in Environmental Engineering (Hons), followed by a Masters in Environmental Science, Simona has recently completed postgraduate study in Corporate Sustainability and Innovation at Harvard University. This work centered on sustainability leadership and how to enable people to lead effective change within sustainability.

### **Dr Michael Rasheed**

Michael has been conducting research on topical marine habitats focusing on seagrass ecology for over 20 years. He has a BSc in Zoology & Ecology and an Honours degree from Flinders University and was awarded a PhD from JCU for research investigating recovery and succession in tropical seagrass communities. Michael's passion is finding science based solutions to apply in the management of marine habitats. He has built a team whose work focuses on coastal development and risk and has significantly impacted on the way seagrass and marine habitats are managed and protected. Results of his work not only lead to advances in the field of seagrass ecology, but have changed practices within coastal development, ports and shipping industries and improved the ability of regulators and managers to protect marine habitats.

### **Dr Luke Twomey**

Luke is a marine scientist with a PhD in phytoplankton ecology and experience as a research scientist in Australia and internationally. Luke completed his PhD studies on the phytoplankton ecology of Wilson Inlet, Western Australia in 2000 and then travelled to North Carolina to take on a post-doctoral role at the University of North Carolina at Chapel Hill working with Professor Hans Paerl. In 2003, Luke returned to Western Australia and took a position at Murdoch University teaching marine science and a research position at the University of Western Australia, Centre for Water Research, with Professor Anya Waite. The focus of Luke's research was to understand the role of coastal upwelling on primary productivity and trophodynamics off the south, south-west and central-west coast of Western Australia. In 2006, Luke became the first Principal Scientist with the Western Australian State Government Department: the Swan River Trust, where he was responsible for their scientific monitoring and research programs.

In 2008, Luke joined Oceanica, a boutique marine science consultancy, specialising in Environmental Impact Assessment of coastal infrastructure projects in Western Australia. The focus of Luke's effort at Oceanica was on environmental approvals, assessments and impacts associated with large marine infrastructure development. He worked and project managed EIA programs for major capital dredging programs such as the Oakajee Deepwater Port, Albany Port Expansion Project and Post-Development Surveys for the Chevron Australia Gorgon Project.



Luke graduated the Australian Institute of Company Directors course in 2012, and became Director of BMT Oceanica in 2014. Most recently, Luke has enjoyed working as an independent contractor, while fulfilling his roles at Murdoch University and Curtin University as an Adjunct Associate Professor.

Luke was recently selected as Australia's representative for the PIANC Working Group 195 – Ecosystem Services for the Waterborne Transport Infrastructure Sector. Luke will introduce the concept of Ecosystem Services and its relevance to the Waterborne transport Infrastructure sector.



### Technical Presentation Program\*

Time	Topic	Presenter	Affiliation
8.45-9.15	Registration and arrival		
9.15-9.30	Welcome and Opening Proceedings	William Glamore	University of New South Wales
9.30-10.15	6th BTV Opening Address	Kevin Kane	North Queensland Bulk Ports
10.15-11.00	Keynote: Working With Nature in Ports and Waterways	Tiedo Vallinga	TU Delft
11.00-11.30	Morning Tea		
11.30-12.15	Working with Nature in Australian Ports	Marika Calfas	NSW Ports
12.15-12.40	Question and Answer Session with Kevin Kane, Tiedo Vallinga, Marika Calfas		
12.40-14.10	Lunch with AGA Participants		
14.10-14.40	Port Sustainability in Western Australia	Lyle Banks	Pilbarra Ports
14.40-15.10	Port Sustainability in Great Barrier Reef World Heritage Area	Simona Duke	North Queensland Bulk Ports
15.10-15.45	Afternoon Tea		
15.45-16.15	Great Barrier Reef Research Perspectives	Michael Rasheed	James Cook University
16.15-16.45	Ecosystem Services and the development of Ports and Harbours	Luke Twomey	Murdoch University
16.45-17.00	PIANC YPCom Closing Remarks	PIANC YPCom Chair	PIANC YPCom

\*Draft program subject to change