

2012 PACIFIC

INTERNATIONAL MARITIME EXPOSITION
SYDNEY CONVENTION AND EXHIBITION CENTRE

31 JANUARY - 3 FEBRUARY 2012



MARITIME AUSTRALIA
LIMITED



Maritime Australia Limited and The United States Studies Centre
(at the University of Sydney)

"Sustainable Maritime Fuels" Forum Program

TUESDAY 31 JANUARY AND WEDNESDAY 1 FEBRUARY 2012

Chaired by Prof Susan Pond, Dow Sustainability Program, United States Studies Centre

KEY CONTRIBUTIONS FROM:

- The Hon. Robert Hill*, Dow Sustainability Program, United States Studies Centre
Thomas Hicks, Deputy Assistant Secretary for Energy, United States Department of the Navy
Chris Tindal, P.E., CEM, Director for Operational Energy, United States Department of the Navy
Professor Thomas Maschmeyer, Department Chemistry, University of Sydney
Professor Mary O'Kane, NSW Chief Scientist and Engineer
Dr Laurie Goldsworthy, Australian Maritime College, Tasmania
Heather Brodie, Biofuels Association of Australia
Jordan Groeneveld, Rare Consulting
Rich Altman, Executive Director, Commercial Aviation Alternative Fuels Initiative
Bo Ellehave, General Manager of Sustainability Asia Pacific, Maersk Line
Dennis Leong, Executive Vice President, Marketing and Business Development, Chemtex International Inc
Barrie Leay, Chairman Aquaflo Biomimics
Andrew Lawson, CEO MBD Energy Ltd
Steve Rogers, CEO, Licella Pty Limited
Bob McCarthy, University of Queensland
Jim Rekoske, Vice President and General Manager, Renewable Energy and Chemicals, UOP, USA
Ed Dutton, CEO, National Biodiesel Limited
Cindy Thyfault, Founder and CEO, Westar Trade Resources
Arnauld Filancia, Director, Middle East & Asia, Wärtsilä Corporation
Jack Huttner, Executive Vice President, Gevo

Supported by:





**Dr Susan Pond AM,
MD DSc, FTSE**

*Dow Sustainability Program
United States Studies Centre
at the University of Sydney*

Susan Pond AM, MD DSc, FTSE was appointed as Adjunct Professor and Program Leader at the Dow Sustainability Program at the United States Studies Centre in 2010. Her area of interest is the development of the advanced transportation biofuels industry, including the critical success factors required for commercially viable production at scale and the industry sectors driving demand. These include the aviation and maritime sectors. Before joining the U.S. Studies Centre, Dr Pond was Chairman and Managing Director of the human health biotechnology company, Johnson & Johnson Research Pty Limited and Chairman of AusBiotech Limited, the Australian biotechnology industry organization. Dr Pond is also Director of the Australian Nuclear Science and Technology Organisation, Vice-President of the Australian Academy of Technological Sciences and Engineering, Board Member of Commercialisation Australia and member of the Establishment Council of the Australian Biofuels Research Institute."



SUSTAINABLE MARITIME FUELS FORUM

The shipping industry faces increasing pressure to reduce energy and emissions intensities. This Forum aims to discuss and debate the actions that must be taken by fuel suppliers, engine and vessel manufacturers, fuel consumers, capital markets and national and international governments to drive the needed changes.

DAY ONE Tuesday 31 January 2012

- 1340 – 1350 Forum Chairman’s Opening Remarks**
Dr Susan Pond, Dow Sustainability Program, United States Studies Centre
- 1350 – 1510 Session 1. Demand for Sustainable Maritime Fuels**
Session Chairman: The Hon. Robert Hill, Dow Sustainability Program, United States Studies Centre
- 1350 - 1420 U.S. Department of the Navy, Great Green Fleet**
Thomas Hicks, Deputy Assistant Secretary for Energy, United States Department of the Navy
- 1420 - 1445 Sources, Generation and Properties of Current and Future Maritime Fuels**
Prof. Thomas Maschmeyer, Department Chemistry, University of Sydney
- 1445 - 1510 International and Australian Maritime Emissions Regulations & Control Technologies**
Dr Laurie Goldsworthy, Australian Maritime College, Tasmania
- 1510 - 1540 Afternoon Tea and Exhibition Viewing (Halls 4, 5 & 6)**
- 1540 – 1715 Session 2. Strategic Planning for a Sustainable Future**
Session Chairman: Professor Mary O’Kane, NSW Chief Scientist and Engineer
- 1540 - 1600 State and Federal Government Perspectives**
Professor Mary O’Kane, NSW Chief Scientist and Engineer
- 1610 - 1640 Perspectives of an International Shipping Conglomerate**
Bo Ellehave, General Manager of Sustainability Asia Pacific, Maersk Line
- 1640 - 1715 Petroleum Refineries**
Jim Rekoske, Vice President and General Manager, Renewable Energy and Chemicals, UOP, USA
- 1715 - 1800 Exhibition Viewing (Halls 4, 5 & 6)**



SUSTAINABLE MARITIME FUELS FORUM

DAY TWO Wednesday 1 February 2012

- 0830 – 1030 Session 3. Making the Transition to Sustainable Maritime Fuels**
Session Chairman: *Heather Brodie, Biofuels Association of Australia*
- 0830 - 0900 Challenges in Moving to Alternative Fuels Across all Forms of Transport**
Jordan Groeneveld, Rare Consulting
- 0900 - 0930 Supporting, Complementing, Maritime Sustainable Fuel Developments - Aviation Development and Deployment**
Rich Altman, Executive Director, Commercial Aviation Alternative Fuels Initiative
- 0930 - 1000 Advanced Biofuels Production in China and India**
Dennis Leong, Executive Vice President, Marketing and Business Development, Chemtex International Inc
- 1000 - 1030 Fuelling New Zealand Ferries**
Barrie Leay, Chairman Aquaflo Biomimics
- 1030 - 1100 Morning Tea and Exhibition Viewing (Halls 4, 5 & 6)**
- 1100 - 1220 Session 4. The Advanced Biofuels Industry in Australia**
Session Chairman: *Michael Ridley-Smith, Caltex Australia*
- 1100 - 1125 Maritime Fuels from Algae**
Andrew Lawson, CEO MBD Energy Ltd
- 1130 - 1155 Licella's Bio-crude - a real alternative for sustainable maritime fuels**
Steve Rogers, CEO, Licella Pty Limited
- 1155 – 1220 The Sugar Industry and Future Role in Biofuel Production**
Bob McCarthy, University of Queensland
- 1220 - 1350 Lunch and Exhibition Viewing Halls (Halls 4, 5 & 6)**
- 1350 - 1510 Session 5. Leveraging Existing Infrastructure**
Session Chairman: *Susan Pond, United States Studies Centre*
- 1350 - 1415 First Generation Biofuels Facilities**
Ed Dutton, CEO, National Biodiesel Limited
- 1415 - 1445 Leveraging Existing Ethanol Production Infrastructure for Capital Efficient**
Biobased Hydrocarbons, Jet Fuel and C-4 Chemicals
Jack Huttner, Executive Vice President, Gevo
- 1445 - 1510 Finance Sector: Aggregating Capital for Scale Up Biofuels Projects**
Cindy Thyfault, Founder and CEO, Westar Trade Resources
- 1510 -1540 Afternoon Tea and Exhibition Viewing (Halls 4, 5 & 6)**
- 1540 - 1715 Session 6. Towards 2030**
Session Chairman: *Susan Pond, United States Studies Centre*
- 1540 - 1610 Shipping Scenarios 2030**
Arnaudd Filancia, Director, Middle East & Asia, Wärtsilä Corporation
- 1610 - 1640 U.S. Department of the Navy Alternative Fuels Initiative**
Chris Tindal, P.E., CEM, Director for Operational Energy, United States Department of the Navy
- 1640 - 1715 Concluding Remarks and Close of Forum**
Susan Pond, Dow Sustainability Program, United States Studies Centre



Chris Tindal, P.E., CEM **Director for Operational Energy** **Office of the** **Deputy Assistant Secretary of** **the Navy for Energy**

Chris Tindal joined Naval Facilities Engineering Command (NAVFAC) in Charleston, South Carolina in 1988 working in Facilities Management, Operations, and Energy Management. Early in his job as the Utilities and Energy Management Division Director, Chris created, developed and led the innovative Utilities and Energy Cost Saver Tiger Team. This program helped save the Navy over \$10 million in energy reductions. He moved up to NAVFAC Headquarters in Washington, DC in 2006 to work in the Department of Navy's Energy Program as the Energy Operations Director.

In 2008, Chris became the Director for Operational Energy working for the Deputy Assistant Secretary of the Navy for Energy. In this position, Chris is in charge of setting energy policy and direction for the Department of the Navy, and promoting alternative fuels and renewable energy resources.

Additionally he is developing inter-service and inter-agency relationships throughout the energy field. Chris is the main Department of Navy principal on the Memorandum of Understanding (MOU) with U.S. Department of Agriculture. This pioneering MOU between the agencies is advancing the development of the biofuel industry.

Chris Tindal has been a Navy man for over 30 years. He graduated from the U.S. Naval Academy in 1980 with a degree in Mechanical Engineering, and served on Active Duty on two ships in Charleston, South Carolina. He recently retired as a Captain in the Navy Reserves. Chris is a Professional Engineer and a Certified Energy Manager. Originally from Alabama, Chris currently lives in Alexandria, Virginia.

Sustainable Maritime Fuels Forum

Registration Details

Entrance to the Sustainable Maritime Fuels seminar is free to all exhibitors and trade visitors to **PACIFIC2012**. However, Pre-registration is required.

Please register at -

<http://www.pacific2012.com.au/content-tradevisitors/registration.html>

If you have any questions regarding this forum, please contact Don Fraser - dfraser@amda.com.au

Conference Venue

Sydney Convention & Exhibition Centre
Darling Drive, Darling Harbour
Phone: +61 2 9282 5000
<http://www.scec.com.au/>

PACIFIC2012 will be staged at the Sydney Convention and Exhibition Centre at Darling Harbour, Sydney. The Centre is located in the middle of Darling Harbour, a deepwater cove of Sydney Harbour. Bordering central Sydney, and blessed with multiple entertainment, transport and accommodation options, the Darling Harbour precinct includes fine restaurants, museums, a retail marketplace and outdoor entertainment venues.

Darling Harbour is only a 10 minute walk from the central business district and only a 20 minute drive to the airport.

Dress Code

As the conferences/forums and trade sessions at **PACIFIC2012** are serious business and professional occasions, all visitors to these industry-only sessions must be over 16 years of age and suitably attired (Comfortable Australian summer business dress is suggested).

Accommodation & Travel

The Sydney Convention and Exhibition Centre is adjacent to the Sydney CBD and close to many hotels and serviced apartments.

Visitors can reach the centre by foot if staying at one of the close-by hotels, by Monorail, Light rail, public transport, quick ferry or water taxi.

The Lido Group, our official Accommodation and Travel Supplier will be happy to assist you with your travel arrangements.

<http://www.lido.com.au/online/default.aspx?id=j6f42h4f3002>



To improve understanding of all facets of the United States, then Prime Minister John Howard announced the creation of a \$25 million endowment to establish a United States Studies Centre.

Since opening its doors at the University of Sydney in 2008, the US Studies Centre has taken significant strides towards its ambition of becoming the leading institution outside America for the study of the United States.

The US Studies Centre is a unique institution matching a full program of teaching, research and research training with a commitment to influencing policy making, business development and public debate in Australia and the US through international collaboration, action-oriented analysis, media commentary and high visibility public programming.

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PRIVACY POLICY

We collect personal information about individuals to enable us to manage and market our activities and to promote products and services. We may disclose personal information to our insurers, mailing houses, suppliers and contractors. Individuals have the right to access and correct their personal information held by us. If you do not wish to continue receiving marketing communications from us or do not want your personal information disclosed to third parties please contact us at the following address:

The Privacy Officer - PO Box 4095, Geelong, Vic 3220 Email: privacy@maritime.net.au Tel: 03 5282 0500 Fax: 03 5282 4455



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Maritime Australia Limited is a member of a not-for-profit national Group headed by Aerospace Maritime and Defence Foundation of Australia.

Its non-profit corporate affiliates, Aviation Development Australia Limited and Aerospace Australia Limited, separately conduct the Australian International Air Show and the Australian International Aerospace & Defence Exposition biennially at Avalon.

Together with its non-profit corporate affiliates, Maritime Australia Limited is also engaged in the promotion of careers and skills through a national program of Careers & Skills Forums around Australia.

In addition, Maritime Australia Limited promotes innovation in maritime and naval defence technology and export development by Australian industry.

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