Aotearoa Wave and Tidal Energy Association

2012 EXECUTIVE NOMINEES

BIOGRAPHIES

(Alphabetical Order)

Mr. Simon Fleisher (Representative of a Corporate Member)

Simon Fleisher is the Programme Controls Manager for Meridian Energy's Renewable Development group (specialising in wind, hydro and marine). He is a Chartered Engineer and Fellow of the Institution of Mechanical Engineers, and he has over 20 years experience as a Marine Engineering Officer in the RN and RNZN before joining Meridian Energy in 2012. Simon's career has included operational and training roles, project management, warship maintenance, acquisition of future warships, and underwater engineering as well as diving (military / PADI OWSI). Simon is also a member of the IPENZ Mechanical Engineering Group national executive committee.

As a member of the Executive of AWATEA he will provide an important link between the wave and tidal energy sector and New Zealand's power generation industry. He is currently undertaking an MBA business research project into commercial and technical considerations for Marine Energy in New Zealand at Victoria University of Wellington. Simon is passionate in his support for the future introduction of wave and tidal energy and wants to use his experience and knowledge to assist in the development of the New Zealand Marine Energy Centre.

Mr. Nick Inskip (current AWATEA Executive member; representative of a Non-profit Member)

Nick Inskip has a comprehensive background in industry development and extensive experience on the Executive of industry associations and as an industry advocate dealing extensively with government, business and the media. Nick's career spans the resource, utility and manufacturing sectors. He has held numerous management roles, including roles as a CEO and as a Company Director. Nick is a member of the Institute of Company Directors.

As a member of the Executive of AWATEA he will provide an important link between the wave and tidal energy sector and New Zealand's manufacturing capability. The clean energy sector is a key focus for development for members of the Heavy Engineering Research Association and is championed by Nick, in his role as Industry Development Manager. Nick also has a good understanding of driving research to support market opportunities and has entrenched this through the creation of an industry development roadmap process. Nick believes there is a strong future for New Zealand industry in the clean energy sector and particularly in the wave and tidal energy area.

Dr. Alexander Malahoff (current AWATEA Executive member; representative of a Corporate Member)

Alexander Malahoff is Chief Executive of GNS Science, a position he has held since July 2002. Alex has had a career in marine geology, ocean engineering, and geophysics, mostly based in the United States. Before starting at GNS Science, he was Professor of Oceanography at the University of Hawaii and a director of the Hawaii Undersea Research Laboratory, a centre for deep-ocean exploration. Much of his career has been centred on research in the South Pacific, particularly the Hawaiian Islands.

A veteran of more than 200 dives in US, Canadian, Russian, and Japanese research submersibles, he has been active in developing innovative technologies for undersea exploration. Alex has an M.Sc. from Victoria University of Wellington, and a PhD in geophysics from the University of Hawaii. In 2002, he received an honorary D.Sc. from Victoria University for his contributions to oceanography, geophysics, and marine engineering.

Alex is passionate about moving ocean energy forward in New Zealand through harnessing ocean currents and locating suitable ocean floor sites for the turbines. He sees AWATEA as the prime vehicle for moving ocean energy forward in New Zealand.

Mr. Alistair Mallett (current AWATEA Executive member; Individual Member)

Since returning to New Zealand in 2006, Alistair has been closely involved with the investment and innovation community as an investor and advisory board member. Leveraging from extensive domestic and international networks, Alistair is actively engaged across the research, development, commercialization and investment sectors of our innovation ecosystem.

Prior to this, Alistair spent 25 years working in the Oil & Gas industry as an engineer in the subsea construction sector. Although his activities were mainly based in Aberdeen and Houston, working in the North Sea and the Golf of Mexico, other locations of activity included West Africa, Middle East, the Mediterranean and the Atlantic. He has extensive practical experience in Hydrographic Survey, sensors, ROVs, systems integration, subsea structure installations, umbilical and pipelay, inspection and remote intervention. Alistair has been involved in numerous world firsts and he is a specialist in ultra deepwater salvage.

Alistair has a "can do" attitude and believes in working collaboratively for a common goal. He has a creative approach to problem solving, this enabling him to be successful in his endeavours.

As a member of the Executive, Alistair would provide connectivity between the marine energy sector and New Zealand's innovation ecosystem as well as the international investment and subsea construction industry.

For the coming year, Alistair sees a number of exciting opportunities such as the formation of the NZMEC and the strengthening of AWATEA linkages to the private investor community.

Dr. Craig Stevens (Representative of a Corporate Member)

Craig Stevens is a physical oceanographer with a joint appointment as Principal Scientist in Marine Physics (NIWA) and Associate Professor (Physics) at the University of Auckland. His PhD (1992) at the University of Western Australia was followed by an NSERC International Postdoctoral Fellowship at the University of British Columbia with a focus on turbulence, stratification and diffusion in extreme environments. He has a strong interest, and media profile, in flow-structure interaction. These structures can be as diverse as floating Antarctic glaciers, aquaculture farms – and marine energy devices. He has worked on marine energy topics for the last decade with present emphases on turbulence in Cook Strait and novel wave converter designs.

Mr. Cliff Turner (current AWATEA Executive member; Individual Member)

Cliff is an Honours graduate in Electrical Engineering from the University of Auckland and is a Member of IPENZ. Cliff has previously held positions on the IPENZ Council and associated committees. He is a keen follower of renewable energy developments and is presently a member of Engineers for Social Responsibility, the Association for Promotion of Electric Vehicles and NERI. Cliff previously held the position of Strategy Manager in Telecom and since 2000 has acted as an independent consultant. He has been a member of AWATEA since its formation and has been a member of the Executive Committee for the last 3 years. Whilst on the Executive Committee he has focussed the development of a Marine Energy Roadmap, the development of a NZ Marine Energy Centre (NZMEC) and been instrumental in promoting AWATEA through other engineering organisations. He sees priorities for the coming year as progressing the NZMEC opportunity, seeking further government support for new marine energy opportunities and increasing the membership value, particularly through the AWATEA website.

Mr. Garry Venus (current AWATEA Executive member; representative of a Professional Member)

Mr Garry Venus is an environmental scientist with a Postgraduate Diploma in Engineering Science from the University of New South Wales and a M.Sc. (Hons) in marine biology from the University of Auckland. Mr Venus has over 30 years experience in a wide range of industrial, manufacturing and mining operations in New Zealand and through the Southwest Pacific.

His marine energy experience includes the following:

- Managed environmental permitting programme for 200 MW Kaipara Harbour Marine Turbine Project.
- Developed Chatham Islands Wave Power Project including acquisition of the NZMEDF Grant, Resource Consents, DOC foreshore occupation permits and commercial design.
- Salt Lake Fiji Tidal Power Project Feasibility Study for Fiji Electricity Authority.
- Tongatapu Wave Power Feasibility Study for Government of Kingdom of Tonga

- Small-scale tidal turbine development – Auckland, Fiji, Tonga
- Pre-feasibility study for wave power project - Juan Fernandez Archipelago, Chile.