

2016/17 Board Members' Biographies

(Alphabetical Order)

Mr. Simon Becker (Individual Member)

Simon is an experienced leader in association development. He has been described as a natural strategic thinker and problem solver, and has a special interest in the interplay between sector vision, brand, and strategic planning. Before returning to NZ, he worked for RenewableUK – the UK's wind and marine energy association, leading the team responsible for membership services, business development, publications and marketing, and also worked extensively on the Association's tradeshow/conference programme. Previously he worked for the UK's Energy Savings Trust, the tertiary education sector, and in creative agencies. Simon is trained as an industrial designer.

Mrs. Charlotte Boys (Individual Member)

Charlotte is the Business Intelligence Senior Advisor, at the Energy Efficiency and Conservation Authority (EECA). Within this role she leads the development of EECA's statutory governance and accountability documentation, ensures internal strategic and business planning processes are aligned, and works collaboratively to manage risk and monitor EECA's programme performance.

Her involvement in marine renewables began 8 years ago in the UK after completing her Masters in Geology when she initiated Atlantis' consents and baseline environmental monitoring processes for its MeyGen tidal stream project. After moving to New Zealand in 2009, she worked for Power Projects Limited on the WET-NZ wave energy project for over three years, securing the first consent for a wave energy device in New Zealand.

Having been involved in AWATEA for the past 7 years, Charlotte has an in-depth understanding of how the association works and has developed strong relationships with key stakeholders both nationally and internationally. As a member of the board, Charlotte will strengthen AWATEA's profile through her networks and strategic capabilities, and bring a strong process management ethic.

Mr. Simon Fleisher (Individual Member)

Simon is an experienced Chief Executive and Chartered Professional Engineer. He was elected a Fellow of the Institution of Mechanical Engineers (IMechE) in 2011 and has a track record of success in senior roles in New Zealand and the UK. He is a Member of the Institute of Directors and has worked in a variety of sectors, including defence / marine, the electricity supply industry and public transport.

As a member of the Board of AWATEA he will provide an important link between the wave and tidal energy sector and New Zealand's engineering industry. 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 and assist the generic development of wave and tidal energy in New Zealand.

Dr. Gareth Gretton (Individual Member)

Gareth Gretton is currently an academic staff member at Wellington Institute of Technology and has worked on marine renewable energy projects since 2004. Since relocating to NZ in 2013, he has worked on a number of sustainable energy consultancy projects including small scale hydro, solar thermal and solar PV, and others related to his skills in fluid dynamics. Prior to his move to NZ, Gareth was a post-doctoral researcher at the

University of Edinburgh for a number of years, first working on the academic consortium project "Supergen", and then working on the £8m joint academia-industry project "Perawat". Both of these projects made a significant contribution to UK marine energy research. Gareth has a PhD from the University of Edinburgh in tidal current turbine hydrodynamics.

He has been an AWATEA board member since 2013 and has served as Chair over the past year.

Mr. Armin Howard (Representative of a Professional Member)

Armin Howard is the Projects Group and Operations Manager for Energy Hydraulics Limited (EHL) Group. EHL are the technology partners in a consortium, which includes US-based Northwest Energy Innovations (NWEI) and Callaghan Innovation, who are seeking to develop and commercialise the Azura (formerly WET-NZ) Wave Energy Converter (WEC) device.

Mr. Nick Inskip (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 Board 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.

Mr. Martin Knoche (Individual Member)

Martin Knoche is a trained oceanographer and physicist born in Germany. He worked in Antarctica, developed climate models and then shifted into technology businesses. At Compaq Computers he was part of the team disrupting the mainframe industry and reaching \$1bn turnover five years ahead of plan. As part of Compaq's High Potential Leader team he graduated part-time at Wake Forest University with an MBA in Strategy. He then moved with his family to New Zealand, managed Telecom's Quality Assurance team of 45 staff, before taking on change management roles with Telstra and IBM. A stint with the European Space Agency brought him to Rome, Italy, and in parallel developing his own consultancy business. After four years in the New Economy boom and bust in Europe, Martin shifted back to Auckland to assist a NZ technology business to scale internationally. Since then he worked with over 250 technology businesses from early stage start-ups to multi-billion dollar multinationals in NZ and abroad. In December 2015 he started to the Northland Innovation Centre (NIC) with the vision that Northland becomes the most sustainable region in the Southern Hemisphere by 2025. Martin has been involved in a massive open online course Science to Solutions on marine energy via SDG/ One Planet, one Ocean. He represented NZ at the OES, AWTEC conference at Singapore Energy Week in 2016. Martin has a keen interest in the potential of renewable energies, in particularly in marine energy.

Mr. Alistair Mallett (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 Gulf 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 Board, 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.

Dr Natalie Robinson (Representative of a Corporate Member)

Natalie is a climate scientist based at NIWA with an interest in boundary-layers. She was educated at the Universities of Victoria and Otago. Her research work is focussed primarily on climate-driven changes in Antarctica and is funded by the Marsden Fund. In addition, she works on impact science around submarine disturbance relating to seabed mining. Her interests in the renewables sector relate to developing small-scale tailored distributed generation – at least to begin with - because it’s easier to get it right, possible to create situation-specific solutions with local community involvement and buy-in, creates opportunity to assess and minimise environmental and ecological impacts and improves the level of public education around marine energy.

Assoc. Prof. Craig Stevens (ex-Chair and representative of a Corporate Member)

Craig is a physical oceanographer with a joint appointment as Principal Scientist in Marine Physics (NIWA) and Associate Professor (Physics) at the University of Auckland. He is also currently the President of the NZ Association of Scientists. 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 over a decade with present emphases on turbulence in Cook Strait and novel wave converter designs.