

## **Wave and Tidal Technology Symposium 2009 Speakers' biographies**

### **Martin Wright**

Martin is one of the founders of Marine Current Turbines Limited and joined the company full-time in February 2002. He has an M.A. (Hons) in Economics from Edinburgh, and an M.Eng in Petroleum Engineering from Heriot-Watt. He started his career as a Seaman Officer in the Royal Navy where he completed a short service commission serving in a variety of ships culminating an appointment as Executive Officer of a Minehunter. Prior to joining MCT he worked for nine years as a Venture Capitalist with Murray Johnstone Limited, and then latterly with Northern Venture Managers Limited where he was responsible for starting and developing NVM's business in the South of England.

Martin has corporate finance skills and commercial experience spanning a wide breath of industries developed whilst working as a venture capitalist, and as a director of investee companies. In particular he is very familiar with the issues involved in early stage technology companies. Renewable Energy had been a particular interest for a number of years prior to becoming involved with Marine Current Turbines. The technology, environment and stage of the company represented a natural fit for his background and experience.

### **Chris Campbell**

Chris is a marine scientist and leader in development of Canada's ocean economy. He has a Bsc from Wales, a PhD from Newfoundland, and has worked in France, Newfoundland and British Columbia.

Trained in biology, he worked in aquaculture and seafood industry development as a leader in research, education and consulting.

In recent years he has worked to cluster BC's ocean technology sector and to create Ocean Industries BC as an industry association to focus on economic opportunities from British Columbia's "maritime" activity.

Since 2004, he has focused on building an alliance of industry, governments and utilities to ensure that Canada is a leading player in the emerging renewable ocean energy opportunity. The 120-member Ocean Renewable Energy Group has succeeded in attracting government and utility attention toward this important resource. Chris now serves as Executive Director for this national association.

### **David Kidney**

David joined the DECC Ministerial team on 9 June 2009 as Parliamentary Under Secretary of State. His portfolio covers fuel poverty, skills for a low carbon economy, innovation, energy consumers, resilience and coal liabilities.

Previously David has been Parliamentary Private Secretary (PPS) to Elliot Morley, Minister



of State, Department for Environment, Food and Rural Affairs in November 2005, in 2006 PPS to David Miliband, the then Secretary of State for Environment, Food and Rural Affairs, and PPS to Rosie Winterton who was Minister of State for Transport in 2008.

David graduated in Law from the University of Bristol and was a solicitor in Hanley and then Stafford between 1977 and 1997. He became MP for Stafford in 1997.

### **Max Carcas**

Max is responsible for PWP's commercial development and sales and marketing of the Pelamis WEC. He has many years experience in international sales and marketing with a focus on bringing new innovative products to market and creating new markets for existing products. Prior to PWP he established and grew the European subsidiary of BW Technologies Ltd, a TSE listed manufacturer of innovative gas monitoring systems including equipment to reduce CO2 domestic boiler emissions. He was also Managing Director of Engineering for Science and Industry Ltd, a systems integrator for the oil and gas industry. Max originally graduated from Edinburgh University with an honours degree in Electrical & Electronic Engineering. Following this he spent seven years as Sales and Marketing Manager for City Technology plc (now part of Honeywell) which became the world's leading manufacturer of miniature fuel-cell gas sensors used in safety, medical and environmental applications. He is currently a member of the REA's Ocean Energy Group, the BWEA's Marine Steering Group and a Director of OREC in the USA.

### **David Kaye**

David Kaye joined Aquamarine Power in April 2009 as Engineering Manager. Prior to joining Aquamarine Power, David spent most of his career working in the offshore oil and gas industry, initially as a subsea pipeline engineer. He subsequently held a number of technical and engineering management positions in consultancies and major installation and operating companies. David holds a PhD in wave loading from Cambridge University. He is a chartered engineer and member of the Institute of Marine Engineering, Science and Technology, and is also an active member of the Society for Underwater Technology.

### **Paul Jordan**

Paul joined Ocean Power Technologies Limited in October 2005 to head up their Business Development activities to progress existing, and secure new, OPT wave energy projects in the significant European markets.

Previously, Paul worked in the Innovation Programme at the Carbon Trust, developing new low carbon technologies. His primary focus was to set-up and run the Marine Energy Challenge programme, to assess marine energy technologies and establish the future growth potential for wave energy. Prior to the Carbon Trust, Paul was at Rolls Royce where he initially worked in Transmission and Distribution in the UK and then for Rolls-Royce International in Thailand carrying out business development activities. Paul then joined Rolls-Royce Power Ventures as Development Manager focusing on project development of 5MW to 150MW gas turbine and diesel engine power projects in the UK and Americas.

Paul graduated from Newcastle University in 1996 with a Masters in Mechanical Engineering (Europe), with Spanish as chosen language. In 2002 he completed an MBA at INSEAD, Paris.

### **Jamie Grimwade**

Jamie Grimwade has over 6 years experience of working in the wave and tidal stream sector and currently holds the position of Marine Renewables Technology Specialist within NaREC's Wind and Marine division. Jamie trained as a Naval Architect and prior to employment at NaREC he worked for the Maritime Coastguard Agency (MCA) as a Marine Surveyor.

### **Andrea Ciricugno**

Andrea Ciricugno is a mechanical engineer and he is the person in charge of the RD&D department in Soil Recovery s.l., which is a Spanish Company that develops its activity in the recycling and renewable energy sector. He is involved in the project and the promotion of a OWC onshore plants in Galicia, and he is a member of the AENOR Spanish Comité SC 114 -marine energy: waves and currents energy converters- that is part of the International Committee IEC/TC 114.

### **Andrew Haslett**

Andrew Haslett joined the Energy Technologies Institute in April 2008 from his previous role as Group Science & Technology Director (Measurement & Modelling) at ICI plc.

Andrew has been involved in process and product technology development for 30 years, leading a range of research and engineering groups. His experience covers a very wide range of technologies from large scale high hazard process plant engineering to developing electronic materials and also a broad range of industrial and consumer applications. He has experience of development, design and operation of large scale plant and also technology licensing and the sale of technology based services.

At ICI, he was recently responsible for the development of the Group Technology Strategy and for assisting businesses to measure and improve their application of technology to innovation.

Andrew graduated from Cambridge University in 1977 with a BA in Chemical Engineering. He is a Fellow of the Royal Academy of Engineering, of the Institution of Chemical Engineers and the Royal Society for the encouragement of Arts, Manufactures & Commerce. He is a Chartered Engineer and a Chartered Scientist.

### **Stephanie Merry**

Dr Stephanie Merry is Sector Advisor in marine renewables for the Renewable Energy Association in London. She is also Director of Focus Offshore Ltd, a technical consultancy specialising in marine renewable energy. Prior to setting up this company, she worked as principle engineer in the Submarine Hydrodynamics Group at the Defence and Evaluation

Research Agency (DERA), Haslar. From 1990 to 1996 she was employed as a lecturer in Marine Technology at the University of Southampton, where her role was to integrate students and staff from the Engineering Faculty into the world-renowned Southampton Oceanography Centre (now the National Oceanographic Centre).

An interest in energy efficiency and renewable energy stems from her time in the Department of Ocean Engineering at Florida Atlantic University, USA, where she organised the 1st International Submarine Races - a design, build and test competition for small, human-powered submersibles – which demonstrated the advantages of efficient engineering. She was Technical Monitor to the judging panel for the 2nd event in 1991 and led the British challenge for the competition in 1993.

She holds a PhD in Mechanical Engineering and an MSc in Oceanography from the University of Southampton.

### **James Marsden**

As Director Marine, James is responsible for the efficient and effective management and delivery of Natural England's Marine Programme, including Marine Protected Areas, marine management and spatial planning, integration of offshore renewables and sustainable fisheries. He is Chair of the Marine Conservation Zone Project Board at national level, and a member of DECC's Severn Tidal Power Project Board.

Before taking up his present post in January 2009, James was Director Policy at Natural England (2006-2008), Head of Policy at English Nature (2002-2006) and Regional Director for South West England (1998-2001). James spent his early career working as a planner in local government before joining the Nature Conservancy Council as Assistant Regional Officer, West Cumbria, in 1983. His subsequent roles with the NCC and English Nature included Upland Ecologist (1988-91) and Area Manager for Gloucestershire, Hereford and Worcester (1991-1998).

### **Justine Saunders**

Justine has over ten years experience as a marine biologist. She is originally from New Zealand where she worked on a number of projects including marine reserve assessments from offshore islands to inshore estuaries, habitat restoration of mangrove forests and environmental impact assessments of sedimentation on estuaries and rocky reefs. In her three years at ABPmer, she has managed studies concerning the environmental impact of marine renewables, the development of models for marine planning and strategies for management, the socio-economic impact of marine policies, and assessed the economic benefits and costs of degradation from marine productivity in the UK.

### **Prof. Mike Cowling**

Chief Scientist at The Crown Estate.  
Emeritus Professor of Marine Technology at the University of Glasgow  
Chartered Marine Scientist  
Chartered Engineer  
Fellow of the Society of Underwater Technology  
Fellow of the Institute of Marine Engineering, Science & Technology  
Fellow of the Royal Society of Arts

## **Ian Boyd**

Ian Boyd is a Professor at the University of St Andrews where he is Director of the Scottish Oceans Institute and the Sea Mammal Research Unit. He has been researching the interactions between man and marine mammals for the past 30 years, especially in relation to fisheries and acoustic disturbance. He has been Chief Scientists for experiments conducted by the US Navy and provides advice to the UK government on the management of marine mammals.

## **David Ainsworth**

David joined MCT November 2003. He is a chartered engineer and has a BSc in Aeronautics & Astronautics from the University of Southampton. Prior to joining MCT, he worked for 13 years in the aerospace and defence industries primarily specialising in hydraulic component and gas turbine design and then lead an engineering team developing micro combined heat and power systems.

David is a highly experienced engineering manager with flexible skills and wide project management experience in multi-disciplined engineering projects requiring technical, commercial and environmental skills. He has recently been central to working with NIEA in obtaining consents for the installation of the tidal turbine SeaGen in Strangford Lough and project managing the high level manufacturing and installation process.

## **Stephen Wyatt**

Stephen currently heads up the wave & tidal renewables activity at the Carbon Trust, working directly with industry to support technology development, and with Government and the investment community to overcome market and commercial barriers. Direct interaction with industry comes from running the Marine Energy Accelerator, an initiative which is working to drive down costs through new device concepts, innovative component technologies and more effective deployment, installation and maintenance.

Prior to the Carbon Trust Stephen worked as a consultant conducting due diligence for a variety of emerging technology investments and provided the technical input into company acquisition studies. Before this he was an Engineer for Cosworth Racing.

Stephen holds a PhD in materials science and degree in mechanical engineering.