

WAVEC SEMINAR 2018 SPEAKERS



António Sarmento, WavEC

Founder and president of the Board of WavEC Offshore Renewables, co-founder and member of the Board of Ocean Energy Systems, former Associate Professor at the Mechanical Engineering Department of Instituto Superior Técnico, Lisbon University, he is involved in the ocean renewable energy for almost 40 years.



Ambassador Chris Sainty, British Embassy

Chris Sainty is Her Britannic Majesty's Ambassador to Portugal since October 2018. He was previously the Deputy Head of Mission at the British Embassy in Rome from 2011 to 2015. A career diplomat, he brings experience from a number of Foreign Office Departments as well as overseas postings in India, Pakistan, Spain and the Netherlands.

Chris has spent much of his career working on European Union issues: from 2004 to 2006 he headed the Foreign & Commonwealth Office team responsible for the organisation of the UK's presidency of the EU in 2005 and more recently (2015-2017) he was the Deputy Director for Europe Directorate in the Foreign and Commonwealth Office.



Embaixada Britânica
Lisboa



Ruben Eiras, Maritime Policy of the Ministry of the Sea

Ruben Eiras is currently Director General for Maritime Policy of the Ministry of the Sea of Portugal. He was advisor for industry, innovation and energy of the Minister of Sea of Portugal. He was a Science and Technology manager at Galp Energia. He holds a Phd in energy security policy in the area of History, Defense and International Relations, by the Instituto Superior de Ciências do Trabalho e Empresa – Instituto Universitário de Lisboa and the Military Academy. He also holds a Master Degree in Sustainable Energy Systems from the MIT-Portugal Program. He was a member of the Group of Experts on Natural Gas from the United Nations Economic Commission for Europe (UNECE) and a SAS Technical Member Energy Security from NATO Science and Technology Organization.



PANEL I



R.V. Ahilan, LOC Group

Dr R. V. Ahilan, Joint Group Chief Executive, is a Chartered Engineer and Fellow of both IMarEST and RINA. He holds a BSc (Leeds) and MS (Caltech) in Civil Engineering, a PhD (Cantab) in Engineering Fluid Mechanics and an MBA (Imperial). He is a technology and business leader with over three decades of industry experience, more than 15 years of which has been at board level. Prior to LOC, Ahilan was EVP of the Renewables Advisory Division of DNV GL, with strategic and operational responsibility for the world's largest technical advisory firm in renewable energy formed by the merger of GL Garrad Hassan (of which he was President) and the renewables business of DNV. His offshore oil & gas career spanning three decades was with GL Noble Denton, where he was President Americas, MD Europe and MD Advanced Engineering Consulting. He has worked in the marine operations and ocean engineering aspects of the offshore industry globally and has led projects which have had industry impact in setting standards and safety factors in jack-up site assessment, mooring systems and marine transportation. He has been an expert witness and technical advisor to lawyers in Norway, UAE and the UK on many technically complex cases related to marine operations, drilling rigs and FPSOs.



Pedro Valverde, EDP Innovation

Pedro Valverde is responsible for managing the Cleaner Energy Work Group and deliver added value innovative initiatives and technologies related to renewable energies and conventional generation to the business units of EDP Group. Pedro was also the Deputy Project Manager of the floating wind offshore project "Les éoliennes flottantes du Golf du Lion" in development in France with a total capacity of 24 MW and non-executive director at WavEC Offshore Renewables. Previously he was involved in the management and implementation of the WindFloat Project, the first floating offshore platform using the WindFloat technology in Portugal and was member of the technical committee. He was also responsible for delivering the proposal for the WindFloat Atlantic for the NER300 programme, which was awarded with a grant of 30M€. Pedro Valverde also gave technical support during the implementation of a Corporate Venture Capital in CleanTech Energy in EDP Inovação – EDP Ventures, a fund with more than 40M€ under management. Currently he continues supporting the Corporate Venture Capital through technical evaluation and due diligence. Pedro Valverde graduated in electrical engineering from Instituto Superior Técnico, Lisbon, Portugal. He also holds a Post-Graduation in Advanced Programme in Project Management and Evaluation by Faculdade de Ciências Económicas e Empresariais, Universidade Católica Portuguesa.



Aaron Smith, Principle Power

Aaron Smith serves as Vice President, Head of Strategy & Commercial at Principle Power. In this role, he is responsible for guiding the company's strategic direction, driving economic competitiveness, identifying market opportunities, and securing commercial value. Previously, Aaron was an Economist at the National Renewable Energy Laboratory, where he directed a portfolio of work designed to identify high-value R&D opportunities for land-based and offshore wind technologies, providing the U.S. Department of Energy with strategic decision support. In this role, and in his earlier work as a power-sector consultant, Aaron partnered with industry, research organizations, and academia to accelerate commercialization of innovative renewable technologies through targeted economic analysis. Aaron graduated with honors from the University of Vermont with degrees in economics and political science.



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David Langston, Wave Energy Scotland

David Langston has extensive experience in marine renewables. He is Programme Manager for Wave Energy Scotland, a subsidiary of Highlands and Islands Enterprise, funded by the Scottish Government. Prior to working for Wave Energy Scotland David spent 16 years working for both Wave and Tidal technology developers: Voith Hydro Wavegen and Marine Current Turbines, a Siemens company. Before moving into Marine Renewables he worked for engineering contractors, John Brown and Kvaerner in the power and offshore oil and gas industries, where he performed a variety of engineering and management roles. David graduated in Mechanical Engineering from Imperial College, London.



PANEL II



Pierre Ingmarsson, RISE – Research Institutes of Sweden AB

Pierre has eight years of experience from the automotive industry and over 5 years of experience in supporting the ocean energy sector through Research Institutes of Sweden. Pierre holds a master's degree in mechanical engineering.



Emiliano Pinori, RISE – Research Institutes of Sweden AB

Emiliano Pinori has been employed at RISE - Research Institute of Sweden since 2008. He received his PhD in Surface Biophysics in 2013 from the University of Gothenburg. Emiliano works both as Scientist and Head of Business Development for the Department of Chemistry and Materials at RISE. He has a focus area marine antifouling. Participating in several industrial projects and national and European funded projects. Emiliano has been coordinator of the EU FP7 "LEAF" project (Low Emission Anti Fouling) and now of the OCEANERA-NET "OCEANIC" project on corrosion and antifouling for offshore renewable energy sector.



Pedro Vinagre, WavEC

Pedro Vinagre has a Degree in Biology, MSc in Ecology and PhD in Biosciences – Marine Ecology, at the University of Coimbra. Pedro has worked in several national and international projects related with European Directives (WFD and MSFD). He has great experience in sampling marine habitats and data analysis of organisms (including taxonomy), and in the identification and evaluation of anthropogenic impacts in the marine environment. Pedro is part of the Marine Environment and Public Policies team at WavEC Offshore Renewables, where he is responsible for monitoring activities of marine (specially benthic) communities.



Patrik Möller, Corpower

Patrik is the CEO of CorPower Ocean, a leading wave energy developer bringing a step-change improvement on the efficiency of harvesting wave energy. He is a passionate entrepreneur with experience of building technology start-ups from first idea to multi-national operations. Patrik is a board member of Ocean Energy Europe and ETIP Ocean steering committee. He has a MSc in chemical engineering from Lund Institute of Technology and UC Berkeley, California.



Eduardo Gorbeña, Marine Offshore Renewable Energy Team – UALG

Eduardo González-Gorbeña has a PhD in Ocean Engineering with emphasis in Coastal Engineering from the Federal University of Rio de Janeiro, a MSc in Coastal and Port Engineering from the University of Cantabria, and a BSc in Environmental Engineering from the Polytechnic University of Puerto Rico. Since his PhD, his research has been focused on marine renewable energy, specifically with tidal in-stream energy. In October 2016, he joined the Marine Offshore Energy Team from the University of Algarve to work in the project SCORE that involved the first deployment of a Tidal Energy Converter (TEC) in Portuguese waters. Recently, he has been awarded a Marie Skłodowska-Curie Individual Fellowship for the project proposal named OpTiCA - Optimisation of Tidal energy Converter Arrays.



José Varandas, Kymaner

Jose Varandas has a degree in Mechanical Engineering from IST, the Technical University of Lisbon, a diploma in Business Management from the ISCTE - University of Lisbon, a graduation in Advanced Project Management from UC Lisbon and is a certified Project Management Professional. He is a partner and Executive Director of KYMANER. His work in the field of renewable energy as project manager and designer spreads across many initiatives in the past 12 years like FozDouro, the Wave Pico plant, Windfloat WF1, CORES FP7, KIC-OTS and OPERA H2020.



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PANEL III



António Sá da Costa, APREN
Civil Engineer (IST 1972) MSc and PhD (MIT 1979)
Associate Professor of IST until 1984 to 1998
Consultant for more than 30 years
President of APREN since 2002 to date



Gareth Davies, Aquatera
Dr Gareth Davies studied Marine Biology at Heriot-Watt University and graduated with first class honours in Marine Biology and a PhD examining the biology of deep sea Scaphopod molluscs from the Rockall Trough. Over the next 12 years Gareth worked with the university spin-outs, the Institute of Offshore Engineering (IOE), the International Centre for Island Technology (ICIT) and Environment and Resource Technology (ERT) where he contributed to the wide ranging research and consultancy programme of IOE. In 2000 Gareth formed Aquatera Ltd a private consultancy specialising in environmental energy related consultancy and surveying. The organisation has become a global leader in the marine renewables sector and has a prodigious international portfolio of oil & gas projects along with a uniquely broad portfolio of work around Orkney and northern Scotland. He is also a Director of Orcades Marine Management Consultants, a sister company of Aquatera Ltd, which provides high quality management of marine operations in harsh operating environments, along with a suite of related maritime services. These companies are now at the forefront for marine renewables developments in Orkney, Scotland, UK and globally in Chile, USA, Japan, Taiwan, Norway, Portugal & Indonesia.



Paulo Serra Lopes, Oceanic Motion
Paulo Serra Lopes, born in 1961, Marine Biologist, post-graduate in Aquaculture in Taiwan, first director of the Lisbon Oceanarium, CEO of Oceanic-Motion, a company investing in innovation and Ocean technologies in the Azores and Board member of Aquazor, the leading aquaculture company in the Azores.



David Campbell, Albatern
David Campbell is the Director of Albatern, the Scottish wave energy generator designer and supplier focusing initially on fish farming and other off-grid markets. Within Albatern, he leads commercial development - establishing customer connections in the UK aquaculture sector, where he negotiated the first Power Purchase Agreement for wave energy with Marine Harvest Scotland, the leading Scottish salmon farming company. He is also actively exploring trends and identifying partners in China, Japan, Singapore, Philippines and Indonesia to take the early steps in commercialising wave energy generators now being demonstrated in Scottish waters. He sees it as very important to understand what is driving the movement of fish farming companies into stronger wave climates and to understand their timescales. The move offshore in aquaculture is an emerging trend, and David continues to maintain connection with a number of key overseas markets, particularly in Asia, where wave energy can be applied to offshore fish farming and develop a significant niche market globally.



Pedro Diniz, Marismar
Graduated in 2000 in Marine Biology at Porto University, initiated my carrier submitting two EU CRAFT Projects on fish feed and working in sea bream and sea bass fish farms. Since 2003 I developed different activities through ITB, my own consulting company, from environmental monitoring to market studies and R&D projects. In 2016 I was appointed by the European Commission as Expert Evaluator of Research & Innovation projects (Horizon2020). From 2004 to 2017 I was Quality Manager responsible for HACCAP in a fresh and frozen seafood processing company and since 2017 Site Manager at Marismar off-shore fish farm in Madeira Island.



Pedro Pires, WavEC
Pedro Pires leads the monitoring and technology team at WavEC Offshore Renewable where he already worked as a project engineer since 2012. MSc and PhD in Mechanical Engineering (Instituto Superior Técnico - Lisbon) He has extensive experience in the development of prototypes of innovative technologies, namely in Surgical Robotics, Control and Automation, Electronics and Subsea Structures for Offshore Oil and Gas. Has worked with the Windfloat, DemoGravi3, WaveRoller and Corpower devices and he is now also responsible for the WavEC aquaculture business development.



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Jorge Luzzi, RCG-Risk Consulting Group



Jorge Luzzi began his career in risk management in 1971. He joined Pirelli in 1988 and in 2005, became the Group's global risk management director. During his career, he has continued to acquire new skills in the field of risk management and has been instrumental in developing the profession worldwide. Jorge's involvement with the sector's associations began in Brazil, where he led the Brazilian and South American Risk Management Associations. He also presided over IFRIMA - International Federation of Risk & Insurance Management - and from October 2011 to October 2013, FERMA – Federation of European Risk Management Associations. Among the many awards he has received are; the notification of honour by the Congress of São Paulo for his contribution to the development of risk management in the country, the 2002 RIMS Goodell Award for Lifetime Achievement in the area of risk management and the Alarys Award for Outstanding Achievement in risk management.



PANEL IV



Frank Neumann, in2Sea/Air Centre

Frank has been involved in Marine Renewable Energy and Aquaculture, since he came for finalising his Master Thesis in 1999 from Germany to Lisbon. Being part of the beginning of WavEC, he also participated in the sea testing of the Archimedes Wave Swing in 2004, and took responsibility for the Pico OWC recovery in 2005. In 2012, Frank joined SES as Marine Technology Manager, where he took over responsibility for the design and installation of an industrial-scale seaweed cultivation Pilot. Since 2016, he is part of establishing the marine innovations company in2sea, and during 2018, he has been part of the implementation team of the AIR Centre.



Marco Alves, Collaborative Laboratory (CoLAB)

Degree, masters and phd in Mechanical Engineering at the Instituto Superior Técnico. Specialist for Hydrodynamics of wave energy and floating structures, with experience of around 10 years in the field. Member of the Board of Directors of Collaborative Laboratory (CoLAB).



Joaquin Brito, Air Centre

Dr. José Joaquín Hernández-Brito holds a PhD in Chemistry (1986) by the University of La Laguna, and he was a senior lecturer at the Faculty of Marine Sciences of the University of Las Palmas de Gran Canaria since 1983, where he has been researcher, supervisor of several doctoral thesis and responsible for over thirty national and international projects. He has held several R&D management positions at the University of Las Palmas de Gran Canaria, such as Dean of the Faculty of Marine Science, Director of the Research Results Transfer Office (TTO), Director of the Scientific and Technological Park and research Vice-Rector. He has also held the position of manager of innovation at the Canary Islands Institute of Technology and Director of the Marine Institute of the Canary Islands. Since 2009, at the ICTS (Science and Technological Singular Infrastructure) PLOCAN (Oceanic Platform of the Canary Islands), he has first been the Manager, and he is currently the Science, Technology, and Innovation Manager where he is in charge of developing infrastructures, services and projects. His main motivation is to bring out new knowledge, skills, marine and maritime resources, linking administration, training and business. Born in 1961 in La Palma, Canary Islands, Spain



Alexander Loudon, Offshore Renewable Energy Catapult

Alex Loudon has been at the Offshore Renewable Energy Catapult since 2017. In that time, he has been closely involved in delivering ORE Catapult's SME support services and developing projects and proposals with partner organisations. His work spans the offshore renewable energy sector, both offshore wind and marine energy. As Innovation Coordinator, Alex is abreast of industry challenges and cutting-edge innovation that is looking to solves these challenges.



Ricardo Morgado, ASM Industries

Ricardo start to serve A. Silva Matos (ASM) in 2008 and he is currently the Commercial Director of ASM Industries, a company that operates in the field of manufacturing of steel equipment for renewable and marine industries, such as wind towers, offshore foundations and marine structures. He has a Degree in Environmental Engineering and a Pos Grad in Renewable Energy and Energy Efficiency, both in University of Aveiro. He also has a MBA in Catolica Porto Business School and a Pos-Grad in Sales Management, in Porto Business School.

