



ALL-ENERGY 2010 CONFERENCE PROGRAMME

AS AT 13 MAY 2010

Note: Like all conference programmes, this is subject to last minute changes, so please check the latest information on arrival at the show

THE ALL-ENERGY 2010 CONFERENCE
As at: 13 May 2010

WEDNESDAY 19 MAY 2010

OPENING PLENARY SESSION

FLEMING AUDITORIUM

09.00-10.30

- Introduction by Chair: Jeremy Cresswell, Chairman of Aberdeen Renewable Energy Group, and Editor of The Press & Journal's 'Energy'
- Welcome from the organisers of All-Energy 2010
- The Lord Provost Peter Stephen, Lord Provost of the City of Aberdeen
- Richard Lochhead MSP, Cabinet Secretary for Rural Affairs and Environment, Scottish Government
- Professor David MacKay FRS, Chief Scientific Advisor, DECC (tbc)
- Matthew Simmons, Chairman Emeritus of investment bank Simmons and Company International
- Dr Eddie O'Connor, Founder and Chief Executive, Mainstream Renewable Power
- A message from All-Energy principal sponsor - Vattenfall

WORKING TOGETHER TOWARDS THE RENEWABLE ENERGY DIRECTIVE

FLEMING AUDITORIUM

11.00-12.30

- Introduction by chair: The Rt Hon Brian Wilson who will be in conversation with::
- Andrew Jamieson, Chairman, Scottish Renewables and Regulation Director ScottishPower Renewables
- Dr David Clarke, Chief Executive, Energy Technologies Institute
- Gaynor Hartnell, Chief Executive, Renewable Energy Association (REA)
- Mark Williamson, Director Innovations, The Carbon Trust
- Taf Powell, Director, Emerging Energy Technologies, Health and Safety Executive
- Q&A

OFFSHORE WIND: ROUND 3 OPPORTUNITIES

FLEMING AUDITORIUM

Organised by DECC

14.00-15.30

- Introduction by chair: Richard Brooks, Assistant Director, International investment in the UK Supply Chain. Department of Energy and Climate Change
- UK energy and the importance of offshore wind – Richard Hall, Project Manager, Regional Manufacturing Capabilities. Department of Energy and Climate Change
- Offshore wind opportunities – Adrian Fox, The Crown Estate
- Round 3: A developer's view – David Hodkinson, Director, Head of Development for Vattenfall Wind Power in the UK
- Round 3: Driving down the costs - Allan MacAskill, Business Development Director, SeaEnergy Renewables
- Oil and gas/offshore wind synergies – John Robertson, Managing Director, Burntisland Fabrication
- Q&A

POWER cluster MID-TERM CONFERENCE – SHARING EXPERIENCES

FLEMING AUDITORIUM

Organised by POWER cluster

16.00-17.30

- Introduction by chairs: Mathias Grabs, BIS - Bremerhaven Economic Development Company GmbH, Germany and Andreas Wagner, Stiftung Offshore Windenergie (German Offshore Wind Energy Foundation), Germany for POWER cluster - An explanation of the background and social acceptance of offshore wind energy

- Bob Blizzard, Waveney MP - 1997 to 2010- The challenges that lie ahead for the roll out of offshore wind energy from a European view
- John Best, Chief Executive, EEEGR - From contacts to contracts, when the offshore wind industry makes it happen
- Richard Jenkins, AMEC and Jeremy Sainsbury, Natural Power - Offshore wind industry learning from the oil and gas industry
- Ola Carlson, Chalmers University of Technology (CHA), Sweden and Gerard van Bussel, TU Delft, The Netherlands - What kind of workforce do we need now and for the future?
- Dr Morten Holmager, Offshore Renewables Manager, Offshore Center Danmark (OCD), Denmark - Where next with offshore wind power?
- Discussion and Q&A

SUBSEA ENGINEERING APPLICATIONS IN THE RENEWABLE ENERGY SECTOR

CROMBIE B

Organised by UK Trade & Investment with Subsea UK

11.00-12.30

- Introduction and words of welcome - Edward Oakden, Managing Director of UK Trade & Investment Sectors Group
- Andrew Donaldson, Offshore Engineering Manager, Scottish and Southern Energy will offer an overview of subsea engineering opportunities in the global offshore renewable energy sector
- Alistair Birnie, Chief Executive, Subsea UK who will talk about UK subsea engineering capability and offer an overview of subsea engineering opportunities in the global offshore renewable energy sector.
- Q&A
- Launch of the UK Trade & Investment Offshore Wind and Marine Capability brochure

POWER STORAGE - THE 'HOLY GRAIL'

CROMBIE B

14.00-15.30

- Introduction by chair: Jeremy Sainsbury, Director, Natural Power
- Keynote address: Dr Graham Cooley, CEO, ITM Power
- Stewart Reid, Network Services Manager, Scottish and Southern Energy
- Energy storage – the opportunity for Scotland - Steven Stocks, Director, Foresighting, Energy & Low Carbon Technologies, Scottish Enterprise and Eur Ing John Baker, Principal Consultant, EA Technology
- Q&A and discussion when a representative of the International Centre for Mathematical Sciences joins the panel

OFFSHORE WIND: GRASP THE NETTLE: A CALL TO ARMS TO THE UK OFFSHORE SUPPLY CHAIN

CROMBIE B

Organised by AREG - Aberdeen Renewable Energy Group

16.00-17.30

- Introduction by chair: Tim Sheehan, Group CEO, Rotech
- AREG overview - Morag McCorkindale, Chief Operating Officer, Aberdeen Renewable Energy Group
- European Offshore Wind Deployment Centre – Iain Todd, Renewables Champion, AREG; and Doug Everard, Project Director, Aberdeen Offshore Windfarm Ltd (AOWL)
- Scottish European Green Energy Centre (SEGEC) – Duncan Botting, Chief Executive, SEGEC
- Plugging in to offshore - Kevin Moran, Director Strategy & Business Development, Wood Group Renewable Energy Services
- Ocean Pod – Jeremy Sainsbury, Director, Natural Power
- Q&A

HYDROPOWER – 1

CROMBIE A

RENEWABLE ENERGY - HYDRO'S ROLE IN MAKING THE GRID CONNECTION

Organised by The IET

11.00-12.30

This session will provide a range of perspectives and case studies within the field of large hydropower, whilst also addressing issues of grid connection with increasing levels of wind generation.

- Introduction by chair: George Aggidis FIET, Lancaster University
- Case study: lessons learned using hydro pumped storage - John Strettle, Production Manager, Cruachan Pumped Storage PS, ScottishPower
- Scottish & Southern Energy's New Pumped Storage Proposals - Neil Lannen, Hydro Development Manager - SSE Renewables, Scottish & Southern Energy
- Operating the Transmission System: Future Requirements and Future Services - Graham Stein, Technical Development Manager - System Technical Performance, National Grid
- Large Hydro ensuring grid stability with rapidly expanding wind generation: A supplier's perspective - Peter Amler, Vice President, Product Group Balance of Plant Andritz Hydro GmbH & Co, Vienna
- Q&A
- Chairman's closing remarks

HYDROPOWER – 2

CROMBIE A

STARTING FROM SCRATCH: NEW PERSPECTIVES ON HARNESSING THE POTENTIAL OF ONSHORE AND OFFSHORE HYDRO

Organised by BHA

14.00-15.30

The UK potential for onshore and offshore hydropower potential has been studied regionally and nationally over the last few years. We now know what is theoretically viable. We also have existing applicable technologies and are leading on the development of new (offshore) technologies. What happens next?

In many ways we are truly “starting from scratch”. There has not been a successful government policy driving us toward developing the UK renewable until now. The many strands of hydropower are now mobilised to turn potential into reality.

However, has the Renewables Obligation, having been “tweaked” annually since its inception, truly grasped the needs of the developers? Will the conditions for Feed-in Tariffs overpower its incentive capacity? Have the planners and regulatory agencies been able to gear up and adapt to the enormous effects of developing onshore and offshore hydropower? How do we deal with the increased fear of all hydropower development by the environmental lobby?

This conference session will hear brief presentations from six people involved in various parts of the hydropower sector and will then debate, with the audience, the reality of the challenge we have in developing the UK's potential.

Introduction by chair: David Williams, Chief Executive, BHA

Speakers:

1. Offshore Hydro:

- Jamie O'Nians – IT Power
- George Aggidis – Lancaster University, Supergen Marine, NWTEG
- Marc Paish – Pulse Tidal

2. Onshore Hydro:

- Calum Robb – Scottish and Southern Energy

- Chris Brett – Inter Hydro Technology
- Iain Robertson – SmartestEnergy

SPECIALLY FOR THE FARMING COMMUNITY

CROMBIE A

16.00-17.30

- Introduction by chair: Dr Elaine Booth, Bioenergy and Renewables Specialist, SAC (Scottish Agricultural College)
- How to buy a wind turbine; Steps involved in getting a wind project up and running - Keith Patterson, Head of Projects, Brodies LLP
- Economic benefits of on-farm wind clusters in Aberdeenshire (implications for other areas too) - Julian Bell, SAC
- Steps to AD - Magnus Sinclair, Sinclair Contractors (tbc)
- Renewable heat incentive and biomass - Neil Harrison, Senior Consultant SAC
- Selling power to the grid - Hugo House, Head of Generation Marketing, Good Energy Group plc
- Q&A

THE OFFSHORE VALUATION STUDY

GORDON B

Session organised by PIRC

11.00-12.30

The Offshore Valuation Group will present findings of the first full economic valuation of Britain's offshore renewable resource.

The new study explores scenarios to develop Britain's offshore renewable resource to maturity. The central scenario is optimised for maximum long-term value to the UK from: electricity exports; technology exports; jobs; returns to UK investors; and avoided energy imports.

The 14 members of the Offshore Valuation Group are: DECC, Scottish Government, Welsh Assembly Government, Crown Estate, Energy Technologies Institute, SSE, E.ON, RWE Innogy, Mainstream Renewable Power, RES, DONG Energy, Statoil, Vestas & PIRC. The analysis is undertaken by Boston Consulting Group and coordinated by Public Interest Research Centre (PIRC).

Four decades of investment in extracting the hydrocarbon stock of North Sea oil and gas has paid strong financial dividends. While it is well known that Britain's exposure to powerful Atlantic winds underpins the largest and most valuable marine energy resource in Europe, the value of this second offshore energy asset has not been quantified. Developing this Atlantic Asset to maturity is the subject of this study.

Speakers:

- Prof David MacKay, Chief Scientific Advisor, Department for Energy & Climate Change (tbc)
- Andy Mack, Project Leader, Boston Consulting Group
- Dr Eddie O'Connor, CEO, Mainstream Renewable Power
- Tim Helweg-Larsen, Director, Public Interest Research Centre

Topics being covered:

- The question we asked
- The approach – the strategic analytical approach / enabling concepts and technologies
- The findings – scale of future demand / scale of future resource
- Insights and conclusions; actions
- Q&A involving speakers and the Steering Board

CARBON CAPTURE AND STORAGE – 1

GORDON B

PIPELINES, SAFETY AND STORAGE INTEGRITY

14.00-15.30

- Introduction by chair: Professor Stuart Haszeldine, University of Edinburgh
- Storage pressure is not a dealbreaker: Economides are wrong – Professor Stuart Haszeldine, University of Edinburgh
- Ensuring successful pipeline transmission of CO₂: developing guidelines and recommended practices – Hamish Holt, Principal Consultant, Cleaner Energy and Utilities UK, DNV
- Addressing health and safety issues with CCS - Cameron Stewart, Upstream Manager Energy Institute
- HSE and CCS - Taf Powell, Director, Emerging Energy Technologies, Health and Safety Executive
- Alan James, Managing Director, CO₂DeepStore
- Q&A

CARBON CAPTURE AND STORAGE – 2

GORDON B

GETTING THE SHOW ON THE ROAD

16.00-17.30

- Introduction by chair: Nick Otter OBE, CEO, Global Carbon Capture and Storage Institute who will provide an update on GCCSI activities
- Implementing CCS Projects: integrating separate business activities and processes into a single business model - Richard Vernon, SLR Consulting Ireland
- Vattenfall's CCS experience - Bjarne Korshøj, Vice President, Head of CCS, Vattenfall AB
- The Challenges of CCS Development - Steven Marshall, Head of CCS Development, ScottishPower
- An update - Stephen Brown, Director of Carbon Capture and Storage, CoSense Yorkshire
- Q&A

COMMUNITY RENEWABLES - BUSINESS OPPORTUNITIES AND ISSUES

FORBES

Organised by Community Energy Scotland

11.00-12.30

- Introduction by Chair: Nicholas Gubbins, Chief Executive, Community Energy Scotland
- The achievements of Communities/Social Sector over the last 8 years, Eric Dodd, National Project Manager, Community Energy Scotland
- Performance issues and how industry can help, Daniel Portsmouth, Development Officer, Evaluation and Monitoring, Community Energy Scotland,
- The Future role of Communities in Sustainable Energy, the role of Community Energy Scotland, how the energy industry can help, Nicholas Gubbins, Chief Executive, Community Energy Scotland
- Q&A

MICROGENERATION - RESIDENTIAL – 1

FORBES

14.00-15.30

- Introduction by chair: Dave Sowden, Chief Executive, The Micropower Council
- A European perspective - Bethan Fox, Head of Policy, Micropower Europe
- Microgeneration: an economic decision or a desire to 'go green'? - Peter Westwood, Chief Executive, CleanEnergyCashback.com
- AlertMe update - Pilgrim Beart, AlertMe
- Making a mass microgeneration market (speaker tbc)
- Real life, real customers - Juliet Davenport, Chief Executive, Good Energy Group plc

- Skills and capacity building - Walter French, Director of Policy & Product, The Mark Group
- Q&A

MICROGENERATION - RESIDENTIAL - 2

FORBES

16.00-17.30

- Introduction by chair: Dave Sowden, Chief Executive, The Micropower Council
- The Microgeneration Certification Scheme: enabling the market, building public confidence - Gideon Richards, Chair of the MCS Steering Group
- General Permitted Development - Graham Marchbank, Principal Planner, The Scottish Government, Built Environment Directorate
- Quick fire technology update
 - Micro CHP - Sarah Brook, Marketing Director, Baxi Group
 - Heat pumps - Andrew Hillier, Chief Executive, ICE Energy
 - Solar PV and solar thermal, Jonathan Bates, Photon Energy and George Goudsmit, AES Ltd
 - Small wind - David Sharman, Managing Director, Ampair
- Q&A

POWER IN THE REGIONS

GORDON A

11.00-12.30

A flavour of renewable energy activities in three regions of the UK

- Introduction by chair: Rick Squires, Non-Executive Director, Senergy Alternative Energy

Northern Ireland: The United Kingdom's leading Low Carbon Research, Design and Manufacturing Region - Olive Hill, Director, Technology & Process Development Division, Invest NI

This presentation will demonstrate Northern Ireland's unique capabilities in the areas of low carbon research at Queens University and University of Ulster, developments in the Northern Ireland renewables sector and the products and services presently being provided by Northern Ireland companies for the international renewables market.

Fife: The Renewable Energy Opportunity - Robin Presswood, Business & Strategy Manager, Fife Council; Douglas Mundie, Managing Director, SMRU Ltd; and Richard Bonsall, Head of Commercial Asset for biomass, RWE npower renewables

Fife is set to play a leading role in the development of Renewable Energy in Scotland. The region is on the doorstep of several major projects that will lead Scotland's drive to a Low Carbon Economy including offshore wind, carbon capture & storage, hydrogen fuel cells and biomass. We will also hear from companies who are benefiting from the growth of renewables in Fife.

Highlands & Islands: A land of opportunities - Mike Weston, Head of Energy Research Group, UHI

This presentation will outline the wealth of opportunities contained within the Highlands and Islands region in the advancement of renewable energy through pioneering developments, including innovative research at the frontiers of marine energy and the empowerment of self-sufficient rural communities.

Q&A

THE SALTIRE PRIZE: A WORKSHOP

GORDON A

HOW TO COMPETE IN THE SALTIRE PRIZE - THE £10 MILLION QUESTION

Organised by The Scottish Government

14.00-15.30

- Introduction - Latest developments – Lynne Vallance, Head of Offshore Renewables Policy Team, Scottish Government
- Further Scottish Leasing Round to support the Saltire Prize – John Callaghan, Programme Manager (Wave & Tidal), The Crown Estate
- Saltire Prize Guidelines - A walk through – Alex Reid, Offshore Renewables Team, Saltire Prize, Scottish Government
- Saltire Prize - Grid Connection – Paul Neilson, Transmission Development Manager, Scottish and Southern Power Distribution
- Saltire Prize - Consents & Licensing – James McKie, Leader Licensing Operations, Marine Scotland

FINANCE NETWORKING EVENT

GORDON A

Financing and Commercialising Clean Energy Technologies

Organised by Cleantech magazine

16.00-17.30

Introduction by Chair: Anne McIvor, founder of Cleantech Investor Ltd and editor of Cleantech magazine

Panellists

- Stuart Deed, Head of Business Partnering, SSE Venture Capital Ltd
- Ken Rumph, Cleantech Research, Nomura Code Securities
- Nigel Burton-White, Technology Director, Renewables East
- Mark Williamson, Assistant Director Energy and Environmental Team, Ernst & Young
- Dr Douglas Rankin, Chartered Patent Attorney, Marks & Clerk LLP

CANADA FOCUS: SUPPORTIVE ENVIRONMENTS FOR TECHNOLOGY DEVELOPMENT

ROOM 18-20

Organised by the High Commission of Canada

11.00-12.30

Renewable Energy Technology Developers take note! You are not alone. Many challenges faced en route from idea to commercialisation are common to all alternative energy technologies. Critical to success are not only the decisions you make, but also the environment in which you operate.

Join a panel of Canadian companies to hear about the issues they have encountered in technology development and the extent to which these have been influenced by the various local factors at play in Canada. By contrasting with their own experiences, the UK and international audience is invited to participate in this dialogue to start to form a picture of what the 'best of all worlds' would look like in order for alternative-energy innovation to thrive.

The discussion will be chaired by **Lee Thornton, Technology Development Officer at the High Commission of Canada**, with panellists including **Sharolyn Vettese, CEO & Inventor, Wind Simplicity Inc**, John Simon, Vice President, Seaforth Energy, Neil Tom Hughes, Executive VP, Elementa Group and John Woods, VP Energy Development, Minas Basin Power & Pulp

AUSTRIA WASTE-TO-ENERGY SHOWCASE

ROOM 18-20

14.00-15.30

- Introduction by chair: Robin Harper MSP, Green Member, Scottish Parliament

- Waste-to-Energy in Austria - Franz Neubacher, UV&P Umweltmanagement-Verfahrenstechnik Neubacher & Partner GmbH
- Industrial biogas plants for agricultural use - Robert Lackner, Thöni Industriebetriebe GmbH
- Upgrading of biogas and injection into the gas grid - Michael Harasek, Vienna University of Technology
- Fluidised bed boilers for combustion of biomass and waste - Heinz Encic, AE&E Austrian Energy & Environment

IMarEST MARINE ENVIRONMENTAL BRIEFING

ROOM 18-20

Organised by the Institute of Marine Engineering, Science and Technology

16.00-17.30

- Introduction by chair: John Wills, Director, Technical and International Development, IMarEST
- Keynote speaker: Climate change and energy usage: two sides of the same coin - Dr Colin Summerhayes, IMarEST Fellow and President of the Society for Underwater Technology
- Obtaining consent to develop in the marine environment - Martin Sales, Head of Infrastructure, Environment and Transport, Partner, Biggart Baillie LLP
- The Marine Conservation Zone Project - James Marsden, Director Marine, Natural England
- Securing public acceptance for the renewable energy revolution in the marine environment: some lessons from the past to inform the way ahead - Martin Harper, Head of Sustainable Development, RSPB
- The marine historic environment and marine renewables: how the future can look after our past - Dr Dan Atkinson, Maritime Department Manager, Headland Archaeology
- Q&A

BOYD ORR HALL

18.00 ABERDEEN CITY COUNCIL CIVIC RECEPTION

18.30 GIANT NETWORKING EVENING

All are welcome!

THURSDAY 20 MAY

MARINE RENEWABLES

FLEMING AUDITORIUM

Marine Scotland: Working for Renewables

Organised by Marine Scotland

09.00-10.30

- Marine Scotland, the Government perspective and the Saltire Prize - Mike Neilson, Marine Scotland Director
- Impact of the Marine (Scotland) Act 2010 on renewables - David Palmer, Marine Scotland, Marine Strategy Branch Head
- Marine renewables and offshore wind policy overview - Phil Gilmour, Marine Scotland, Marine Renewables and Offshore Wind, Branch Head
- Spatial planning tools for marine renewables – Dr Ian Davies, Marine Scotland Science, Renewable Energy and Marine Spatial Planning, Theme Leader
- Simplification of consenting/licensing processes for marine renewables including offshore wind - James McKie, Marine Scotland, Licensing Operations Team (LOT) Leader
- Offshore wind SEA in Scottish territorial waters – Dr Fiona Simpson, Head of Environmental Assessment, Scottish Government

- Q&A and panel chaired by Mike Neilson involving Ian Davies, James McKie, Phil Gilmour and David Palmer

WAVE AND TIDAL

FLEMING AUDITORIUM

WAVE AND TIDAL 1 - SETTING THE SCENE

11.00-12.30

- Introduction by Chair: Professor John Sharp, Visiting Professor, Cranfield University
- Making Marine Renewable Energy Mainstream - Martin McAdam, CEO, Aquamarine Power
- Removing barriers for deployment through policy development: the UK case study - Oliver Wragg, Wave and Tidal Development Manager, RenewableUK
- EMEC update - Neil Kermod, Managing Director, European Marine Energy Centre
- Energy Technologies Institute update - Andrew Haslett, Strategy Director, Energy Technologies Institute
- Results of the SUT Marine Renewable Energy Study – Dr Bob Allwood, Chief Executive, Society for Underwater Technology
- Q&A

WAVE AND TIDAL - THE PENTLAND FIRTH & ORKNEY WATERS

FLEMING AUDITORIUM

13.45-15.15

- Introduction by Chair: Neil Kermod, Managing Director, European Marine Energy Centre
- The Pentland Firth and Orkney Waters - ambitious for Scotland – Audrey MacIver, Head of Energy, Highlands and Islands Enterprise and Gareth Davies, Managing Director, Aquatera and Marine Co-Chair, Scottish Renewables

Panel discussion:

- Professor Ian Bryden, University of Edinburgh
- John Callaghan, Programme Manager (Wave and Tidal), The Crown Estate
- Max Carcas, Business Development Director, Pelamis Wave Power
- Dr Neil Johnson, Head of Renewables, Health & Safety Executive
- Alan Mortimer, Head of Renewables Policy, ScottishPower Renewable Energy
- Mike Smith, Chief Operating Officer, Atlantis Resources Corp
- Martin Wright, Managing Director, Marine Current Turbines
- A representative of the International Centre for Mathematical Sciences

WAVE AND TIDAL – PROJECTS OUTSIDE THE PENTLAND FIRTH, INCLUDING OSMOTIC POWER

FLEMING AUDITORIUM

15.45-17.00

- Introduction by Chair: Andrew Mill, Chief Executive, Narec
- The ocean energy programme at Vattenfall – Kristin Andersen, Environmental Manager, Vattenfall Ocean Energy Programme
- Update on Statkraft's osmotic power project - Bjørn Holsen, Vice President Growth, Statkraft
- PRIMaRE: Creating a Centre of Excellence in Marine Renewable Energy Research - Dr Lars Johanning
- Status Report on Commercial Scale Pilot in Bay of Fundy – Nick Murphy, Commercial Manager, OpenHydro and James Taylor, General Manager, Carbon Management, Nova Scotia Power
- Q&A

INDUSTRIALISING NEW POWER TECHNOLOGIES

CROMBIE B

Organised by Industrial and Power Association

09.00-10.30

This series of presentations allows the visitor, in one session, to understand the latest developments in leading low carbon technologies - technologies that address the key issues of climate change, security of supply, and affordability, in keeping with the IPA's strapline objectives of employment and economic benefit for Scotland. 'Industrialising New Power Technologies' builds on the outputs of the highly successful 'Power Scotland Conference' of 2010 and showcases Roadmaps to 2020, and some innovative initiatives happening in Scottish industry.

- Introduction by chair: David Anderson, Chief Executive, Industrial and Power Association
- A low carbon future - putting it all together – Stuart Murray, Senior Consultant, Pöyry Energy Consulting
- Nuclear Roadmap to 2020 – Tom Cassells, Nuclear Development Programme Manager, Iberdrola/ScottishPower
- Clean coal and CCS Roadmap to 2020 – Dr Mike Farley, Director of Technology Policy Liaison, Doosan Babcock
- Marine Roadmap to 2020 - Craig Love, Turbine Control Engineer, Hammerfest Strøm Q&A and debate

MEANWHILE ON THE OTHER SIDE OF THE WORLD – AUSTRALIA

CROMBIE B

11.00-12.30

- Introduction by Chair: Boyd Dale, Regional Director, All-Energy Australia
- Nick Otter OBE, CEO of the Global Carbon Capture and Storage Institute
- Mathew Herring, Partner, National Leader - Renewables, KPMG, Adelaide, Australia
- Perth Wave Energy update – Greg Allen, Chief Operating Officer, Carnegie Wave Energy Ltd
- Oceanlinx update - Nathan Faulks, Business Development Director, Oceanlinx (UK) Ltd
- Stuart Russell, Senior Trade & Investment Manager, Government of Western Australia - European Office

ONSITE RENEWABLES - NON-RESIDENTIAL – 1

CROMBIE B

13.45-15.00.

- Introduction by chair: Stephen Ainger, CEO, Partnerships for Renewables (PfR) who will give a brief PfR update
- Smart LED Lighting Solutions to Reduce Carbon in UK Cities and Business - Dan Polito, Chief Marketing Officer, Dialight plc
- Technical Progress on Hydro Micro Generation - Per Reidar Ørke - Head of Business Development - Water, Zeropex AS
- Smart Solutions for The Water Sector - Grant Nairn, Director of Technology & Innovation at Scottish Water
- Proposed permitted development rights – Simon Bonsall, Senior Planner, Scottish Government Directorate for the Built Environment
- Q&A

ONSITE RENEWABLES - NON-RESIDENTIAL - 2

CROMBIE B

A guide to realising commercial and community development opportunities

Organised by MacRoberts LLP, RD Energy Solutions and Halcrow

15.45-17.00

- Introduction by chair: Nick Jones, Partner, Head of Energy Group, MacRoberts LLP
- Renewable opportunities: incentives and returns - Jan Ponsford, RD Energy Solutions
- Renewable developments: constraints and solutions - Gordon Buchan, MacRoberts / Halcrow / RDES

- Funding Renewables - Chris Rodgers, Senior Manager Renewable Energy and Asset Finance, Co-operative Bank
- Q&A and discussion - Alastair Macfarlane, Miller Developments and Energy4All will join the panel

BIOENERGY - 1

CROMBIE A

BIOMASS

09.00-10.30

- Introduction by Chair: Professor C Paul Mitchell, Director, Institute of Energy Technologies, School of Engineering, University of Aberdeen.
- Production forecasts for GB forests - Ben Ditchburn, Forestry Commission Scotland
- Rail loading and unloading of biomass - Ian Atkinson, Engineering Director, C Spencer Ltd
- The Renewable Heat Incentive - Daniel Borisewitz, Policy Manager, Scottish Renewables
- Mitigating the effect of emissions: with particular reference to urban areas - Martin Murrish, Product/Technical Manager, Heating Division, Hoval
- Turboden and Land Energy: a case history - Eng Ilaria Peretti of Turboden, and Hugh Montgomery, Business Development Manager, Land Energy
- Q&A

BIOENERGY – 2

CROMBIE A

BIOMASS/ BIOGAS

11.00-12.30

- Introduction by Chair: Professor C Paul Mitchell, Director, Institute of Energy Technologies, School of Engineering, University of Aberdeen
- Update on the North East Scotland biomass cluster - Iain Todd, Renewables Champion AREG
- District heating from gas to biofuel - the Swedish experience, Per-Axel Nilsson, Vattenfall
- Remembering health and safety - Dr Neil Johnson, Head of Renewables & Biomass, Health and Safety Executive
- Biomass (and biogas) development potential. Scandinavian expertise and know how brought to the UK – Fredrik Axby, Grontmij
- UK biogas and biomethane market update - John Baldwin, Managing Director, CNG Services Ltd and the Renewable Energy Association's biomethane injection specialist
- Q&A

SUSTAINABLE TRANSPORT – BIOFUELS, ELECTRIC CARS AND HYDROGEN AND FUEL CELL VEHICLES

CROMBIE A

13.45-15.15

- Introduction by Chair: John Baldwin, Managing Director, CNG Services Ltd and the Renewable Energy Association's biomethane injection specialist
- Renewable Transport Fuel Obligation: an update - Nick Goodall, CEO, Renewable Fuels Agency
- The Glenturret Scotch Whisky Distillery Bioreactor - David Van Alstyne, Scottish Bioenergy
- Capturing Opportunities to Reduce Urban Carbon from Innovation in the Auto Sector - Ash Gupta, Managing Partner, The Gupta Partnership
- E-mobility: an update - Ulrich Frieser, Head of Vattenfall E-Mobility Program, Vattenfall AB
- Kinetic energy recovery for commuter vehicles – Dr Win Rampen, Managing Director, Artemis Intelligent Power
- Q&A

HYDROGEN AND FUEL CELLS

CROMBIE A

15.45-17.00

- Introduction by Chair: CEO Designate, SHFCA
- Fuel Cells: No Longer a Solution in Search of a Problem – Dr Kerry-Ann Adamson, Manager, FCT Consulting
- C2Ci Pure Hydrogen® - Two successful projects, one in an urban environment and the other in a community - Dr Daniel Aklil, Managing Director, Pure Energy Centre
- 'Reversible fuel cells: energy storage for renewable electricity - Stephen Gamble, The University of St Andrews
- The Hydrogen Office - the next phase– Derek Mitchell, Project Manager, The Hydrogen Office
- Q&A

FINANCE AND FUNDING – 1

GORDON B

The Low Carbon Funding Landscape

Organised by EPSRC

09.00-10.30

The programme includes speakers from the Engineering and Physical Sciences Research Council, Technology Strategy Board, Energy Technologies Institute and Carbon Trust. All of which are key funders and investors within the Low Carbon Funding Landscape. The aim of the session is to de-mystify the role of each organisation, draw attention to their inter-relationship and highlight joint activities along the whole of the energy innovation chain.

- Introduction by Chair: Dr Brian Cane, Director, Energy Supply and Generation Knowledge Transfer Network
- Dr Andrew Wright, Senior Strategy Manager for Energy, Engineering and Physical Sciences Research Council
- Will Davies, Lead Technologist, Energy Generation and Supply, Technology Strategy Board
- Dr Garry Staunton, Technology Director, Carbon Trust
- Dr Grant Bourhill, Programme Delivery Director, Energy Technologies Institute
- Panel – Q&A. The speakers in the session will be joined by Dr Jeanie Cruikshank, Head of Energy Innovation, Department of Energy and Climate Change

FINANCE AND FUNDING – 2

GORDON B

Focus on projects; and cover the chronological / risk lifecycle of development / construction

11.00-12.30

- Introduction by Chair: Adrian Scholtz, Director Corporate Finance, KPMG Europe
- Financing trends in the UK renewable energy sector - David Craig, Associate Director, Renewable Energy, Lloyds Banking Group
- Seventh Heaven - how to secure European Union funding for development and a direct route to market for energy technologies – Tony Lesowiec, Practice Leader, Pera Innovation Ltd
- What investors are looking for when making investments in wind projects - Mike O'Neill, CEO, Element Power
- William Young, Senior Wind Analyst, Bloomberg New Energy Finance
- Q&A

ITALY - RENEWABLE ENERGY SHOWCASE

GORDON B

Italy – Innovative Energy Approach

Organised by the Italian Chamber of Commerce & Industry for the UK and the Science Office of the Italian Embassy in London

13.45-15.15

- Introduction by Chair: Professor Salvator Roberto Amendolia, Scientific Attaché, Italian Embassy
- Floating offshore wind turbines: preliminary evaluation for shallow water applications - Ing Giancarlo Potenza, ENEL Italy
- Ecube: 24x7 Scalable Demand Side Management System - Dott.ssa Maura Turolla, Telecom Italia
- Energy: Taking Responsible Action via a Multi Disciplinary Approach - Dott Mattia Cavanna, Finmeccanica Group Services
- Piemonte Region, at the forefront of European Renewable Energies: the BiosolarLab project - [Professor James Barber FRS](#), Politecnico di Torino and [Imperial College](#)
- Piemonte Region: home to outstanding advanced R&D in renewables – Ivano Canteri, Global Marketing Manager, Ceipiemonte – Piemonte Agency
- Q&A

ONSHORE WIND – 1

GORDON A

09.00-10.30

- Introduction by Chair: Jenny Hogan, Director of Policy, Scottish Renewables
- Keynote address: Don't let onshore wind get lost in the rush for offshore - Andrew Jamieson, Regulation Director, ScottishPower Renewables
- The obstacles and challenges facing civil infrastructure design of onshore wind – Dr Julian De Voy, Grontmij
- The importance of Health and Safety - Dr Neil Johnson, Head of Renewables, Health and Safety Executive
- Maintenance and operations - Scott MacKenzie, Associate Director Asset Management, Natural Power
- Ten reasons for underperformance in wind energy projects - and solutions to tackle it – Thomas Boehme, Senior Engineer, DNV
- Quickfire: Now for something totally different – Douglas Walker, Director, Cyberhawk Innovations
- Q&A

ONSHORE WIND – 2

GORDON A

11.00-12.30

- Chair: Graham Marchbank, Principal Planner, The Scottish Government
- The new National Policy Statements for Energy and Renewables - Gemma Grimes, Planning Advisor, RenewableUK
- The new Scottish Planning Act - regulations, issues and pitfalls - Neil Collar, Brodies LLP
- The siting of future onshore wind farms - Brendan Turvey, Policy and Advice Manager - Renewables, Scottish Natural Heritage
- Public engagement - getting public buy-in - Ray Hunter, Marine Energies Manager, RES Offshore
- Q&A

OFFSHORE WIND - PROJECTS AND TECHNOLOGY - 1 BREAKING AWAY FROM ROUND 3

GORDON A

13.45-15.15

- Introduction by Chair: Andrew Mill, Chief Executive, Narec
- Alpha Ventus update - Dr Thomas Michel, Project Development Central Europe, Vattenfall Wind Power
- News from Canada - John Kourtoff, CEO, Trillium Power
- Hywind Full Scale Demo Project of floating wind turbine – Experience from the construction and six months of operation - Sjur E. Bratland, Asset Manager Hywind, TNE NE WE, Statoil ASA

- EDPR overview of international offshore wind opportunities and business development – Carmelo Scalone, Executive Director, Business Initiatives, EDP Renewables
- Q&A

OFFSHORE WIND - TECHNOLOGY AND INFRASTRUCTURE – 2

GORDON A

LESSONS LEARNED FROM OFFSHORE OIL AND GAS INDUSTRY

15.45-17.00

- Introduction by Chair: Rhys Thomas, Supply Chain Policy Officer, RenewableUK
- Don't forget health and safety - learning from the offshore oil and gas industry – Dr Neil Johnson, Head of Renewables, Health and Safety Executive /and a speaker from Abermed (tbc)
- Offshore wind turbine foundations - Per Vølund, Grontmij
- Transferring skills from oil and gas to offshore wind, with a focus on hazard identification – Sharnie Finnerty, Senior Consultant, DNV
- It's not too early to think about decommissioning – Brian Nixon, Chief Executive, Decom North Sea
- Q&A

GRID – ‘CONNECTING EUROPE’ - 1 AND 2

FORBES

This stream has been organised by SQW Energy and WSP Environment and Energy

OFFSHORE CONNECTIVITY

09.00-10.30

- Introduction by Chair: Mike Barlow, System Manager, Scottish Hydro-Electric Transmission Ltd (SHETL) who will chair sessions 1 and 2
- Deliverability - Malcolm Garrity, Head of Offshore Wind, Senergy Alternative Energy
- Technology development & standardisation - Matthew Knight, Siemens T&D
- Challenges for OFTOs - Morris Bray, Development Manager - National Grid Offshore
- Q&A and discussion

BREAK and then session continues

11.00-12.30

- Keynote address: Georg Adamowitsch - European Coordinator
- Working to deliver Scotland's energy - Mike McElhinney, Head of Energy Projects, The Scottish Government; and Dr Patrick McWilliams, ISLES Project Manager, Energy Markets, The Scottish Government
- Working with all parties to achieve connection targets – Martin Marais, The Crown Estate
- Q&A and discussion

GRID – ‘CONNECTING EUROPE’ – 3

FORBES

THE SMART GRID

- 13.45-15.15.
Introduction by Chair: Andris Bankovskis, Associate Director, SQW Energy
Speakers include:
- Smart meters do not a smart grid make – Simon Harrison, Principal Consultant, Engage Consulting
- Solutions to enable and improve access for small-scale generation - Bob Currie, Operations Director, Smartergrid Solutions
- Speaker tbc
- Q&A and discussion

GRID – ‘CONNECTING EUROPE’ – 4

FORBES

GRID SECURITY

15.45-17.00

- Introduction by Chair: Jeremy Sainsbury, Director, Natural Power
- After sorting Connect and Manage, the next issue is Transmission Charging - Dr Keith MacLean, Policy and Public Affairs Director, Scottish and Southern Energy
- Future Networks – Duncan Burt, Customer Services Manager, National Grid
- Speaker tbc
- Q&A and discussion

SCOTTISH GOVERNMENT – OFFSHORE WIND WORKSHOP

ROOM 18-20

Offshore Wind: Delivery on Scotland's Potential

11.00-12.30

- Introduction – Lynne Vallance, Head of Offshore Renewables Policy Team, Scottish Government
- Scotland's Offshore Wind Route Map: Setting out the vision – Sandy Cumming, Offshore Energy Partnership Director, Scottish Government
- Where are we now? Key issues, messages – Lynne Vallance, Head of Offshore Renewables Policy Team, Scottish Government
- The role and work of the economic development agencies – Seonaid Vass, Energy Strategy Manager, Scottish Enterprise
- Scottish Renewables - scenario planning, working with Government – Jenny Hogan, Director of Policy, Scottish Renewables
- Working in Scotland: a developer's perspective – Cameron Smith, Country Manager – Scotland, Mainstream Renewable Power
- Conclusion: achieving delivery through collaboration. What happens next? – Sandy Cumming, Offshore Energy Partnership Director, Scottish Government

DEMYSTIFYING CRC, DATA CENTRES AND IMPLICATIONS FOR THE RENEWABLES INDUSTRIES

ROOM 18-20

13.45-15.15 Three large data centres now have, or expect shortly to have, planning permission along the M8/M74 corridor. Others are being proposed in Grampian and Highland regions. Potential future energy demand could run into several GW. All seek to have authentic dedicated sources of renewable energy as soon as possible. All are trying to attract major (often international) players who potentially could invest into hastening the development of Scotland's renewables potential. The whole process has been hit recently by data industry alarm and uncertainty surrounding CRC legislation.

This session aims to explain and reassure about how CRC legislation, Climate Change Levy, etc will be implemented. It will also act as a catalyst towards encouraging more liaison between data and renewables industries in Scotland; and explore possibilities for setting up an 'advisory panel' to help inform Scottish Ministers about strategies to support development of this dual sector, as opposed to just the renewables sector. Finally, it will discuss issues surrounding conflicting demands for renewable energy, local grids, resolution of conflicting interests, etc.

Convener of the session is Roland Chaplain, who has been involved in setting up the 'Digital Age Lifestyles Working Group', part of a proposed inter-universities collaborative project, based at the Crichton University, Dumfries.

- Introduction by Chair: Scott Bradley, Data Centre Optimisation Lead, Morse Group

Speakers include:

- James Cole, Director, Keysource
- Mark Hobbins, Head of Engineering, Energy and Consultancy, Barron Evers
- Gordon McCreath, Pinsent Masons
- Eric Baster, Policy Development Manager, Greener Scotland Division, Scottish Government
- Dr Chris Francis, Government Programmes

- Q&A and panel discussion

POWER cluster – Contacts to Contracts – Moving up the Supply Chain

BOYD ORR HALL

09.00-10.30

09:00 Open session of Contacts to Contracts led by the Chair.

09:15-10:30 Contacts to Contracts – B2B session begins

Each of the 18 desks (six per country – UK, Germany, Sweden, Netherlands, Norway, Denmark) will be manned by a company in Tiers 1 and 2 that can help businesses from Tiers 3/ 4 and 5 understand how they can make the right people aware of their products and services.

Slots will last for 15 minutes, and delegates must arrive for their slot 10 minutes before it begins to offer the opportunity for another to take a “last minute.com” slot. In parallel to the 18 tables there will be an area that allows open conversation and networking between delegates. This will also be the area for delegates to wait for their contact to contract slot and any ‘last minute.com’ slots.

Book your one-to-one interview by visiting the POWER cluster stand (C50) on 19 May – visit early as spaces will be allocated on a first come, first served basis.

JOINT VENTURES IN COMMUNITY ENERGY DEVELOPMENT

BOYD ORR HALL

Organised by Community Energy Scotland

11.00-12.30

- Introduction by Chair: Nicholas Gubbins, Chief Executive, Community Energy Scotland
- Community projects involved in joint ventures with commercial developers - Christina Nobel, Here we Are, and Pauline Gallacher, Neilston Development Trust
- Commercial partners will detail their involvement in joint ventures with communities, Mike Girvan, Corrimony Energy and Dominic Farrugia, Carbon Free Developments
- Outline of legal structures available to undertake joint venture projects, Stephen Phillips, Burness
- A discussion, facilitated by Community Energy Scotland, drawing on the benefits and the risks of joint renewable energy projects from each perspective

POWER cluster – Skills Arena

BOYD ORR HALL

13.45-15.15 and 15.45-17.00

Different activities will take place over six areas each represented by a different theme. These will encompass six key skills development packages from Interactive Wind Farms to a High Energy Schools Challenge. Just like a conventional “poster” session, each position will be manned by a spokesman for the highlighted exhibit. There will be a break from 15.15 until 15.45 after which the Skills Arena will once again be in operation until All-Energy 2010 closes at 17.00.