



All-Energy Conference Glasgow

The Bryden Centre had a very successful time at the All Energy conference held in Glasgow in May. All-Energy is the UK's leading renewable energy event, showcasing the latest technologies and services for the energy supply chain. The conference had over 300 exhibitors and more than 7000 delegates. Several Bryden Centre PhD students gave presentations and displayed posters of their research work which generated significant interest amongst visitors to the conference.

The Bryden Centre also exhibited at the show which resulted in many new links being made with companies, academics and social enterprises from the UK and overseas. A number of these new contacts have already evolved into prospective new projects or other collaborations, offering new pathways for the research undertaken in the Centre to benefit business and communities.



Welcome to the summer edition of the Bryden Centre eZine. The last six months has seen a great deal of activity and progress with the work of the Centre. Key highlights have included the second Bryden Centre summer school, All-Energy conference and important new collaborations.

We have also welcomed several new faces including:

- Dr Neil Harrison – Operations Manager for the Bryden Centre (based at Queen's University Belfast)
- Karen Green – Media Specialist and Administrator (based at Queen's University Belfast)
- Dr Lilian Leiber – Post Doctoral Research Assistant (based at Queen's University, Portaferry)
- Dr Chris McCallum - Post Doctoral Research Assistant (based at Letterkenny Institute of Technology)
- Dr Narendran Kumar Doctoral Research Assistant (based at Letterkenny Institute of Technology)
- Wesley McCormick – PhD Student (based at Letterkenny Institute of Technology)

Summer School 2019

The second Bryden Centre summer school was hosted by the University of the Highlands and Islands in June. This well-received event was co-located at Inverness and Oban for the first and second halves respectively. All Bryden Centre students attended and several additional PhD students participated, making a total of 33 students plus 3 Bryden Centre PDRAs, 6 staff and 16 contributors.

A wide range of topics were covered including Government and regional energy policy, environmental factors, renewable energy, economic development, social science, and professional skills development. Overall, there was a focus on marine energy with students discovering the Scottish regional context including environmental, societal as well as economic and practical considerations.

A number of visits were arranged to illustrate both the use of renewable energy technologies in different contexts and to give students a real appreciation of surveying and sea-based investigations.

On a lighter note, a boat trip on Loch Ness and a distillery tour gave a welcome break from the focus on learning!



New international collaboration on the use of biofuels with fuel Cells for the Bryden Centre

Junhan Cheng from the Bryden Centre met with Dr Weiguo Wang the CEO of Sofcman Energy Technology company during a recent visit to China. Sofcman Energy Technology is a leading manufacturer of Solid Oxide Fuel Cell (SOFC) stacks which are used for generating electricity and heat from a hydrocarbon fuel.

Dr Wang expressed great interest in the work of the Bryden Centre and will be collaborating on Junhan's project which aims to overcome barriers to the use of biofuel with fuel cells and will deliver a demonstration unit at the end of his work. Ningbo SOFCMAN will be providing technology support and a fuel cell stack to help achieve a successful demonstration of a commercial fuel cell operating with biofuel.

