

**Early Career Conference in Energy 2024
Programme
Friday 8 November 2024**

9:30 AM - 10:00 AM	Registration and Refreshments
10:00 AM - 10:05 AM	Welcome
10:05 AM - 11:25 AM	<p>Theme 1: Other Energy 10:05 AM - 10:55 AM Gary Hayes (Invited Speaker) Fuel Cells for power supply and storage 10:55 AM - 11:25 AM Bianca Constandache The Triple Helix of Innovation in Energy: Navigating Science-Industry-Government Collaborations for Advancing Energy Research</p>
11:25 AM - 11:55 AM	Morning Break
11:55 AM - 12:55 PM	<p>Theme 2: Other Renewables 11:55 AM - 12:25 PM Lu Tian Ammonia as a fuel? Perspectives on emission mitigation and modelling considerations 12:25 PM - 12:55 PM Yuan Zhang Hybrid energy harvester integrating ZnO piezoelectric nanogenerator with perovskite solar cell demonstrating the piezo-phototronic effect</p>
12:55 PM - 2:00 PM	<p>Lunch and Poster Presentations Mashaal Albuqami Fabrication of flexible triboelectric nanogenerator on textiles by integration of two-dimensional WS₂ as triboelectric layers Max Court Ferroelectric – photocatalyst nanocomposites for enhanced solar fuel generation</p>
2:00 PM - 3:00 PM	<p>Theme 3: Solar 2:00 PM - 2:30 PM Francisco Jose Cabrera Optical and Electrical Analysis of an Innovative NW Design Reducing Costs and Maximizing PCE by mimicking ARC layers 2:30 PM - 3:00 PM Daniel McDermott Coupled in-situ optoelectronic characterisation of accelerated aging in thin-film solar cells</p>
3:00 PM - 3:20 PM	Afternoon Break
3:20 PM - 3:50 PM	<p>Theme 4: Nuclear 3:20 PM - 3:50 PM John Gordon Experimental Investigation of NO_x Mitigation in Two-Stage Hydrogen Combustion</p>

3:50 PM - 4:20 PM	Theme 5: Hydrogen 3:50 PM - 4:05 PM Iain Darby The National Nuclear Laboratory: A focus on Clean Energy 4:05 PM - 4:20 PM Sam Griffith Decarbonisation and Regional Growth Report
4:20 PM - 4:30 PM	Final Remarks and Certificate Award
4:30 PM - 5:30 PM	IOP Green Economy Networking Reception (optional session)