



# MINEXCHANGE

## Y GYFNEWIDFA FWYNGLODDIAU

International MineXchange Conference to develop Wales based Centre of Excellence for Metal Mine Recovery as supported by



The objective is to continue facilitating development of project relationships between academia & industry, sharing knowledge & experience to innovate & commercialise opportunities recovering damaged metal mine environments.

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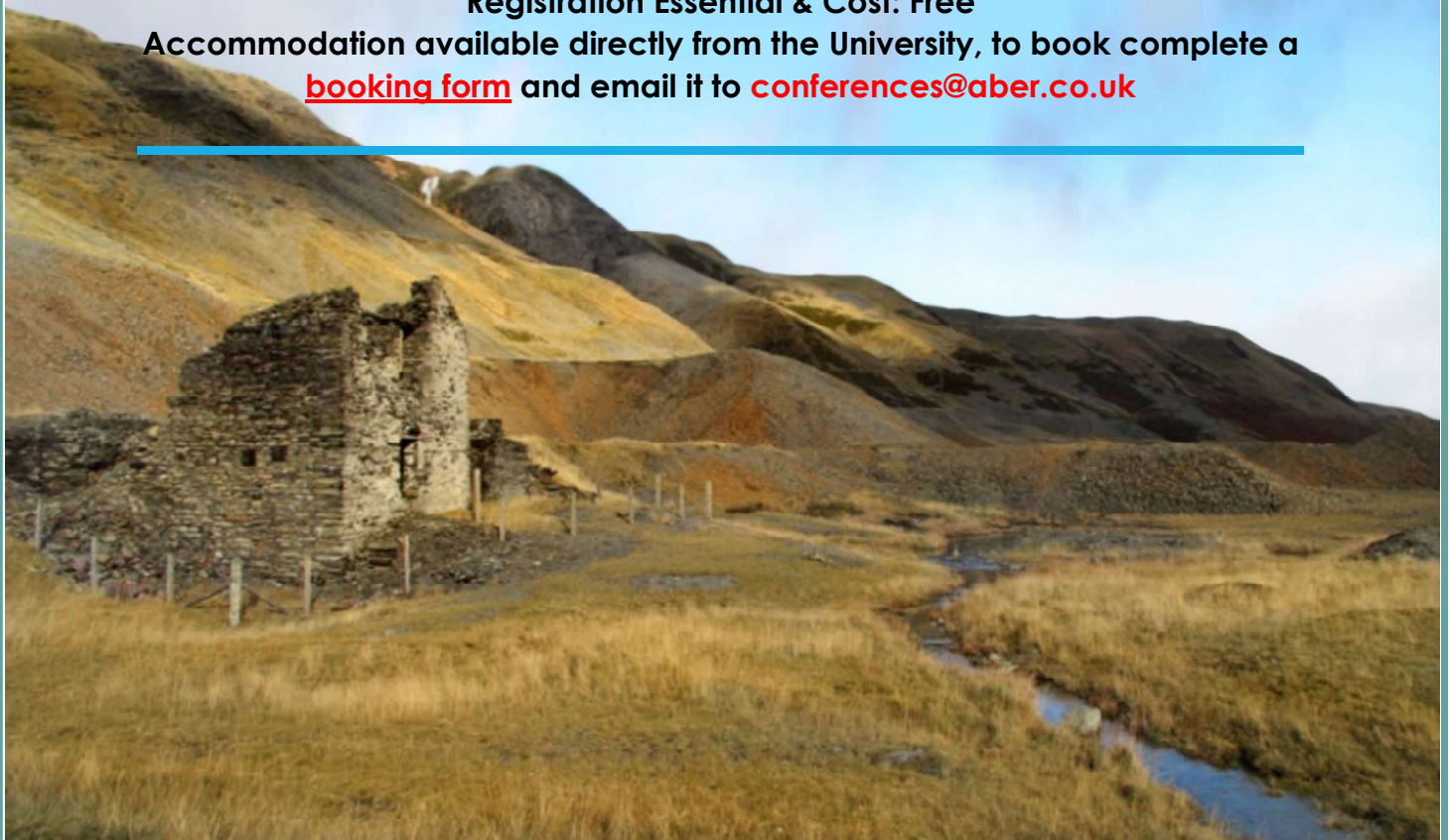
Location: Aberystwyth University, Medrus Suite, Penbryn Building

Date: 28<sup>th</sup> – 29<sup>th</sup> November 2019

**Registration Essential & Cost: Free**

**Accommodation available directly from the University, to book complete a [booking form](#) and email it to [conferences@aber.co.uk](mailto:conferences@aber.co.uk)**

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# AGENDA

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**Day 1: 28<sup>th</sup> November 2019**

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- 9.00-9.30 **Reception & coffee**
- 9.30-9.35 Opening from Chair (Bob Vaughan, NRW)
- 09.35-9.55 Update on Metal Mine Programme in Wales (Pete Stanley, NRW)
- 9.55-10.15 Failing Water Bodies, Feasibility and Mine Hazard interventions (Peter Thorn & Carl Banton, Coal Authority)
- 10.15-10.40 Abbey Consols Metal Mine Remediation (Thomas Eckhardt, WSP & Dr Devin Sapsford, Cardiff University)
- 10:40-11:00 Optimising treatment and other innovations through the WAMM Programme (Nick Cox, Coal Authority)
- 11.05-11.35 **Tea & Coffee Break**
- 11.35- 12.15 **Keynote speaker:** Dispersed Alkaline Systems for the Odiel Basin (Professor Jose Miguel Nieto, University of Huelva)
- 12.15-12.35 LIFE DEMINE: A combined electrocoagulation and membrane technology for treatment of metal mine effluents' (Darren Oatley-Radcliffe, Swansea University)
- 12:35- 12:55 Aquatic Biofilms as indicators of ecological quality in river downstream of metal mines (Meritxell Abril, University of Vic & LIFE Demine)
- 13.00-14.00 **Lunch**
- 14.00-14:20 Biochar trials Nant-y-Mwyn and Frongoch – an update (Heather De-Quincey, Swansea University)
- 14.20-14.40 Phytostabilisation potential of the perennial energy grass, Miscanthus (Elaine Jensen, Aberystwyth University)
- 14.40-15.00 PHYONA: PHYtomining of NANometals (Dr Lorna Anguilano, Brunel University)
- 15.00-15.20 Biomass Thermal Treatment for Mine Drainage Remediation (Dr Anna Bogush, Coventry University)
- 15.20-15.40 **Tea & Coffee Break**
- 15.40-16.00 Metal Mine Pollutant Treatment through Photoelectrocatalysis (Dr Sudhagar Pitchaimuthu & Ben Jones, Swansea University)
- 16:00-16:20 Outputs of sono-electrochemistry trials Cwm Rheidol (Gareth Morgan, Power & Water)
- 16:20-16:40 ITERAMS project "No Waste Valorisation and Water Treatment?" (Maria Mamelkina, Lappeenranta University of Technology)
- 16:40- 17:00 Developing the use of Remote Sensing for Contaminated Land in Wales (Claire Flemming, BGS)
- 19:30 **Evening Meal**

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**Day 2: 29<sup>th</sup> November 2019**

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- ~ 08:30 -13:00 Fieldtrip to Frongoch & Cwm Rheidol (Packed lunch provided).