

## The 1<sup>st</sup> HyWay Training School Programme

- **Host:** School of Engineering, University of Aberdeen, Aberdeen AB24 3UE
- **Chair:** Dr Yeshui Zhang. **Co-chair:** Dr Wenbo Zhan

(20<sup>th</sup> Aug 2024, Tuesday)

MS Teams: [LINK](#)

UK Time	Title	Speaker	Venue
8:30-9:00	Coffee morning		FN2 Fraser Noble Building
9:00-9:40	Hydrogen purification technologies	Prof. Bradley Paul Ladewig (University of Luxembourg)	Same as above
9:40-10:00	Coffee break		Same as above
10:00-10:40		Prof. Andrea Lanzini (Politecnico di Torino)	Same as above
10:40-11:00	Coffee break		Same as above
11:00-11:40	New technologies for solid sorbent-based CO <sub>2</sub> capture and utilisation	Dr Chunfei Wu (Queens's University of Belfast)	Same as above
11:40-13:00	Lunch		Same as above
13:00-13:40	Plasma Electrification: A Promising Solution for Decentralised Hydrogen Production and Utilisation?	Prof. Xin Tu (University of Liverpool)	Same as above
13:40-14:00	Coffee break		Same as above
14:00-14:40		Dr Massimiliano Materazz (University College London)	Same as above
14:40-15:00	Coffee break		Same as above
15:00-15:40		Dr Stavros Theofanidis (AristEng)	Same as above
15:40-16:00	Coffee break		Same as above
16:00-16:40		Mr Stephen Volar (H <sub>2</sub> Refinery)	Same as above
16:40-16:50	Closing remarks		Same as above

(21<sup>st</sup> Aug 2024, Wednesday)

MS Teams: [LINK](#)

UK Time	Title	Speaker	Venue
8:30-9:00	Coffee morning		FN2 Fraser Noble Building
9:00-9:40	X-ray Photoelectron Spectroscopy training Part 1: Introduction to CasaXPS layout, Calibrating XPS data & XPS backgrounds	Dr Shaoliang Guan (University of Cambridge)	Same as above
9:40-10:00	Coffee break		Same as above
10:00-10:40	X-ray Photoelectron Spectroscopy training Part 2: Constraints and doublets in CasaXPS	Dr Shaoliang Guan (University of Cambridge)	Same as above
10:40-11:00	Coffee break		Same as above
11:00-11:40	A brief overview of multiscale modelling - from molecule to reactor	Prof. Jos Derksen (University of Aberdeen)	Same as above
11:40-13:00	Lunch		Same as above
13:00-13:40	Use of anaerobic digestion to produce hydrogen from organic waste and biomass	Prof. Davide Dionisi (University of Aberdeen)	Same as above
13:40-14:00	Coffee break		Same as above
14:00-14:40	Electrification of biogas upgrading via non-thermal plasma technologies	Dr Panagiotis Kechagiopoulos (University of Aberdeen)	Same as above
14:40-15:00	Coffee break		Same as above
15:00-15:40	Porous material characterization based on high resolution images	Dr Yingfang Zhou (University of Aberdeen)	Same as above
15:40-16:00	Coffee break		Same as above
16:00-16:40		Dr Wenbo Zhan (University of Aberdeen)	Same as above
16:40-16:50	Closing remarks		Same as above