

Integration of Chemical, Biochemical and Thermal Processes

A joint AD Network/Supergen Bioenergy Event
Priory Rooms, Birmingham, 6 Feb 18, 10.00-16.30

The Supergen Bioenergy initiative and the Anaerobic Digestion Network are organising this free-of-charge* 1-day event to examine current and emerging technologies for the integration of chemical, biochemical and thermal processes. The programme will include case study presentations from academia, industry, and governmental organisations working in this area and aims to explore current research and applications in the field.

Agenda

Start	End	
10:00 AM	10:30 AM	Registration and Coffee
10:30 AM	10:40 AM	Welcome and Remarks – Prof Charles Banks, University of Southampton
Session 1 – Chair: Prof Charles Banks		
10:40 AM	11:10 AM	Strategies for recovery of energy and chemicals from biomass Prof. Michael Theodorou, Harper Adams University
11:10 AM	11:35 AM	RE-DIRECT: Next Steps in integrating AD and thermochemical conversion routes to maximise outputs Mr Alex Wilcox Brooke, Severn Wye Energy Agency
11:35 AM	12:00 PM	Anaerobic treatments of pyrolysis liquors Dr Julian Pietryzk, University of Edinburgh
12:00 PM	1:00 PM	Lunch
Session 2 – Chair: Prof Patricia Thornley		
1:00 PM	1:25 PM	Autoclave pre-treatment of food waste Professor Charles Banks, University of Southampton
1:25 PM	1:50 PM	Slow pyrolysis of the organic fraction of municipal solid waste and screening of the aqueous product for AD Dr Yang Yang, Aston University
1:50 PM	2:15 PM	Biochar and Pyrolysis for Ligno-cellulosic materials Dr Ondřej Mašek, University of Edinburgh
2:15 PM	2:40 PM	Opportunities for integration of hydrothermal processing and anaerobic digestion Dr Andrew Ross, University of Leeds
2:40 PM	3:05 PM	Break
Session 3 - Chair: Prof Patricia Thornley		
3:05 PM	3:30 PM	Electrochemical Systems for Enhanced Product Recovery from Anaerobic Fermentation Prof. Richard Dinsdale, University of South Wales
3:30 PM	3:55 PM	NWaste2H2: Decreasing N2O and CO2 emissions from wastewater treatment plants by co-reforming of the biogas and digestate liquor Dr Valerie Dupont, University of Leeds
3:55 PM	4:20 PM	Microwave technology for biomass treatment Mr Sam Kerr, AMT Technologies
4:20 PM	4:30 PM	Closing remarks – Prof Patricia Thornley, University of Manchester

Register for this free* event [here](#) or email adnet@soton.ac.uk for further details.

*available to all members of the AD Network/Supergen Bioenergy – for free membership see [website](#).

Directions

The Priory Rooms is located about 10 minutes' walk from Birmingham New Street Station or 2 minutes' walk from Snow Hill. Full directions can be found on their website: <https://www.theprioryrooms.co.uk/find-us/>. The address is The Priory Rooms, Quaker Meeting House, 40 Bull Street, Birmingham B4 6AF

A map is included here:

