

Agenda
AD Network Research Colloquium
“BEYOND BIOGAS”
Manchester, 23-25th January 2019

EVENING: Wednesday 23rd January

19.30-
21-30

DRINKS RECEPTION

DAY 1: Thursday 24th January

From
8.00

MORNING COFFEE

8.40-
8.50

WELCOME TO THE AD NETWORK RESEARCH COLLOQUIUM

Flash Presentations
5 minute presentations on academic work from across the UK
Chair: Ms Sarah Farthing

8.50-
9.00

Ms Sarah Farthing – University of Nottingham
Assessing the feasibility of hydrothermal carbonisation (HTC) for the treatment of AD digestate

9.00-
9.10

Dr Matthew Reilly - Harper Adams University
Electrocoagulation for recovery of nutrients and water from digestate

9.10-
9.20

Dr Yadira Bajon Fernandez - Cranfield University
tbc

9.20-
9.30

Dr Maria Westerholm - Swedish University of Agricultural Sciences, Uppsala
tbc

9.30-
10.30

Further flash presentations

10.30-
11.00

REFRESHMENTS

Session 1
ADVANCED AD FOR EFFLUENT TREATMENT
Chair: Dr Matthew Reilly

11.00-
11.30

Prof. Dr. Ir. Jules Van Lier - Delft University of Technology
Exploring Non-Conventional Applications

11.30-
11.55

Professor Bruce Jefferson - University of Cranfield
TBC

11.55-
12.20

Professor Tom Curtis – University of Newcastle
TBC

12.20-
12.45

Professor Vincent O'Flaherty – NUI Galway
Scale-up stories: high-rate ambient temperature AD for wastewater treatment

12.45-
13.00

Q&A

13.00-14.00	LUNCH
Session 2 OPTIMISATION OF DIGESTER METABOLIC PERFORMANCE Chair: Dr Maria Westerholm	
14.00-14.30	Professor Jerry D Murphy - University College Cork <i>TBC</i>
14.30-14.55	Dr Yue Zhang - University of Southampton <i>Competing demands for trace elements in anaerobic digesters</i>
14.55-15.20	Dr Jan Dolging – University of Newcastle <i>Low Temperature Sewage Treatment</i>
15.20-15.45	Professor Paul Scherer - Hamburg University of Applied Sciences <i>A new Concept for Trace Element Supplementation of Biogas Plants as Based on Microbial Cell Counts and Retention Time</i>
15.45-16.00	Q&A
16.00-16.45	REFRESHMENTS AND ECR POSTER SESSION
16.45-17.10	Professor Anna Schnürer - Swedish University of Agricultural Sciences <i>TBC</i>
17.10-17.35	Professor Orkun Soyer - University of Warwick <i>TBC</i>
17.35-18.00	Professor Sonia Heaven - University of Southampton <i>TBC</i>
18.00-18.10	Q&A
18.10	CLOSE
19.30 for 20.00	CONFERENCE DINNER
DAY 2: Friday 25th January	
From 8.30	MORNING COFFEE
8.55-9.00	WELCOME BACK TO THE AD NETWORK RESEARCH COLLOQUIUM
Session 3 ALTERNATIVES AND COMPLEMENTS TO METHANE AS AD PRODUCTS Chair: Dr Mark Walker	
9.00-9.30	Professor Willy Verstraete - University of Ghent <i>TBC</i>
9.30-9.55	Professor Richard Dinsdale - University of South Wales <i>Alternative Product Streams from Anaerobic Digestion</i>

9.55-10.20	Dr Andrew Ross – University of Leeds <i>Opportunities for the integration of Hydrothermal Carbonisation with Anaerobic Digestion</i>
10.20-10.45	Dr Alba Serna Maza – Urbaser, S. A. TBC
10.45-11.00	Q&A
11.00-11.30	REFRESHMENTS
11.30-11.55	Mr Nick Thompson/Dr Dhivya Puri – Fiberright Ltd. <i>The Role of AD within a MSW Based Biorefinery</i>
11.55-12.20	Dr Mike Mason – Tropical Power AD for carbon-capture-global perspective
12.20-12.45	Dr Les Gornall – PM PROJEN <i>Six AD Pieces</i>
12.45-13.00	Q&A
13.00-14.00	LUNCH
Session 4 BIOGAS UPGRADING AND CARBON CAPTURE THROUGH BIOMETHANISATION Chair: Dr Yadira Bajon Fernandez	
14.00-14.30	Professor Irini Angelidaki - Technical University of Denmark <i>Biogas: An Important Process of the Bioeconomy</i>
14.30-14.55	Dr James Chong - University of York TBC
14.55-15.20	Professor Sandra Esteves – University of South Wales TBC
15.20-15.30	Q&A
15.30-16.00	REFRESHMENTS
16.00-16.25	Dr Simon Rittmann - University of Vienna <i>The physiology and biotechnology of pure culture biological methane production from H₂ and CO₂</i>
16.25-16.50	Professor Michael Chesshire - University of Southampton TBC
16.50-17.15	Professor Charles Banks - University of Southampton TBC
17.15-17.30	Q&A
17.30	CLOSE