H-DisNet

Innovation Workshop

Hybrid Thermo-Chemical Technology for Heating, Cooling and Humidity Control

Friday, 16 November 2018, 09:30-16:30
Berlin Adlershof Science City, Germany

WORKSHOP PROGRAMME

Time	Description
09:30-10:00	*Arrival and coffee*
10:00-10:15	**New policies and technologies for the urban heat shift** Policy insights into the need of renewable energy in district network heating and cooling systems. Speaker: Ingo Wagner, Policy Manager, Euroheat & Power
10:15-10:45	**H-DisNet – Innovative technology for district energy networks** How H-DisNet addresses these challenges and project overview Speaker: Prof. Dr. Philipp Geyer, H-DisNet Project Coordinator, KU Leuven
10:45-11:00	*Coffee break*
11:00-11:20	**Valorising low temperature residual heat through thermo-chemical networks** Expectations of a stakeholder from the supply-side Speaker: Fabio Fidanza, General Director, Varese Risorse S.p.A.
11:20-11:40	**Using thermo-chemicals for moisture control in the automotive industry** Expectations of a stakeholder from the demand-side Speaker: Alessandro Giampieri, Researcher H-DisNet Case Study of an automotive manufacturer, Newcastle University
11:40-12:00	**Unlocking the potential of thermo-chemical technologies** A scientist's insight on the potential of H-DisNet solutions Speaker: Dieter Preßl, Division Energy Storage, Bavarian Center for Applied Energy Research (ZAE Bayern)
12:00-13:00	*Lunch and networking*
13:00-15:00	**Parallel activities** Visit of building research lab and demonstrator Video presentations of a smart grid (UK) and humidity control in a commercial greenhouse (CH) demonstrators Poster presentations of H-DisNet Case Studies
15:00-15:30	*Coffee break*
15:30-16:15	**Stakeholder Roundtable – from idea to market** Implementation of a full-scale pilot of a thermo-chemical district network Chair: Dr. Mukund Bhagwat, Aurubis Europe & European Copper Institute Participants: Ingo Wagner, Philipp Geyer, Fabio Fidanza, Alessandro Giampieri, Dieter Preßl
16:15-16:30	**Closing remarks** Speaker: Prof. Dr. Philipp Geyer, KU Leuven

SPEAKERS

Prof. Dr.-Ing. Philipp Geyer
H-DisNet Coordinator
KU Leuven, Belgium

Ingo Wagner
Policy Manager,
Euroheat & Power, Belgium

Fabio Fidanza
General Director, Varese Risorse S.p.A., Italy

Alessandro Giampieri
Researcher of Nissan case study,
Newcastle University, UK

Dieter Preßl
Division Energy Storage,
Bavarian Center for Applied Energy Research
(ZAE Bayern), Germany

Dr. Mukund Bhagwat
Aurubis Europe & European Copper Institute, Belgium

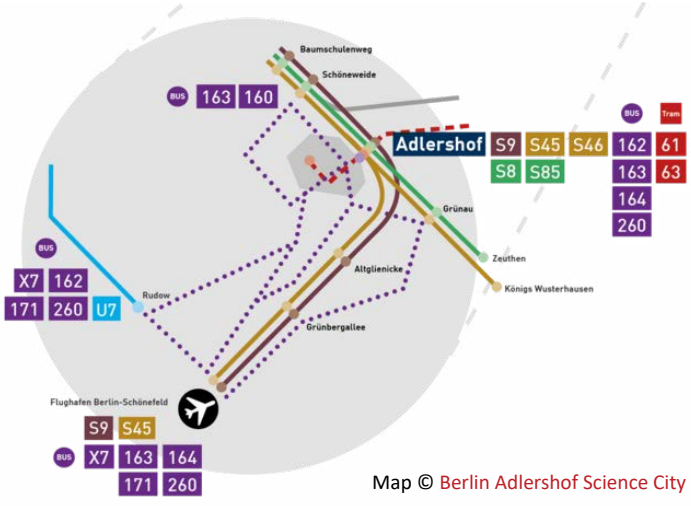
VENUE

The Berlin Adlershof Science City is one of the most successful high-technology locations in Germany - and home to one of the H-DisNet demonstrators.

The innovation workshop will take place at:

Berlin Adlershof Science City,
Erwin Schrödinger-Zentrum,
Rudower Chaussee 26, Room 0'101,
12489 Berlin, Germany

Getting here is easiest via Schönefeld Airport. From the train (S-Bahn) station "Flughafen Berlin-Schönefeld" take the S 9 or S 45 for 3 stops to "Adlershof".



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ABOUT H-DisNet

H-DisNet

The H-DisNet research and innovation project contributes to next-generation of district energy networks developing the innovative thermo-chemical (TC) network technology. The technology exploits the high chemical potential of absorption processes for loss-free transport and storage of energy potential. The technology will be applied to form an intelligent district network with thermal, electric and gas networks. This intelligent TC district network can have a strong impact on future energy systems and contributes to:

- Increase energy efficiency of heat transport and storage
- Increase utilisation of surplus heat from industry and renewable sources at low temperature
- Contribute to a wider usage of district networks by enabling heating and cooling in one multifunctional network and by including the additional services drying and humidity control
- Reduce the primary energy usage by forming energy cascades

Thanks to H-DisNet, our consortium has gained the required knowledge about processes, components, network applications as well as simulation and control methods and will demonstrate the feasibility to allow the industrial R&D to pick up the technology and to bring it to the market.

CONTACTS

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Dr. Martin Buchholz	H-DisNet demonstrator visit	martin.buchholz@watergy.de
Marco Cavallaro	Event organisation	mcavallaro@accelopment.com

www.h-disnet.eu

Register here

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