

Perspectives on the Reciprocity of Energy Transitions and Decentralization

23-25 January 2019
Berlage Rooms, BK City, TU Delft

Decentralization and Energy

PROGRAM

23TH JANUARY, 2019

HISTORY, THEORY, AND DESIGN OF ENERGY AND DECENTRALIZATION IN SPACE

9:00-9:15 **Welcome and Coffee**

9:15-9:30 **Welcome address and Introduction to the conference**

Carola Hein, TU Delft

9:30-10:50 **Panel 1** (3*15 min presentation and 5 min discussion)

Chair: Hartmut Frank

9:30-9:50 **The spatial translations of theories and policies of decentralization, in the 20th Century**

Catherine Maumi, University of Grenoble Alpes

9:50-10:10 **Projects, Visions and Ideologies of Decentralization: Some Thoughts on the Milan Symposium**

Gaia Caramellino/ Nicole De Togni, Politecnico di Milano

10:10-10:30 **Setting the Stage: Connecting Energy and Space Through Time**

Carola Hein, TU Delft

10:30-10:50 **Discussion: 20 min**

10:50-11:10 **Break**

11:10-13:00 **Panel 2** (3*15 min presentation and 5 min discussion)

Chair: Catherine Maumi and Gaia Caramellino

11:10-11:30 **Continent-wide Tactics: of exploiting and infrastructure, Africa 1956-67**

Filippo De Dominicis, Sapienza University of Roma / Cristina Pallini, Politecnico di Milano

11:30-11:50 **Ocean Urbanization: The Case of the North Sea**

Nancy Couling, Postdoc, TU Delft

11:50-12:10 **Energy transition in the transport sector: the strategic role of natural gas in São Paulo State, Brazil**

Drielli Peyerl, University of São Paulo

12:10-12:30 **Horizontal Energy Systems**

Chiara Cavalieri, UCLouvain

12:30-13:00 **Discussion: 30 min**

13:00-14:00 **Lunch Break**

14:00-15:20 **Panel 3** (3*15 min presentation and 5 min discussion)

Chair: Dominic Boyer

14:00-14:20 **Oillandscapes: Design as an exploratory activity to test the future role of oil infrastructure within the Adriatic-Ionian region**

Alberto Verde/Alessandro Massarente/Cristiana Mazzoni, University of Ferrara/ ENSA Paris

14:20-14:40 **Low carbon energy transition in Scotland**

Dan Van Der Horst, University of Edinburgh

14:40-15:00 **Decentralization and response capacity to climate changes and risks**

Maria Fiorella Felloni, Politecnico di Milano

15:00-15:20 **Discussion: 20 min**

15:20-15:40 **Break**

15:40-17:00 **Keynote Speaker**

15:40-16:40 **Baseload and its Discontents**

Dominic Boyer, Rice University

16:40-17:00 **Discussion**

PROGRAM

24TH JANUARY, 2019

SPATIAL SCENARIOS FOR DECENTRALIZED ENERGY SYSTEMS

9:00-9:30 **Welcome and Coffee**

9:30-10:50 **Panel 4** (3*15 min presentation and 5 min discussion)

Chair: Nancy Couling

9:30-9:50 **Emergency Exit: Architectures of Degrowth, Decentralization, and Overdevelopment**

Daniel A. Barber, University of Pennsylvania

9:50-10:10 **Spatial impacts of a post-fossil building stock transformation**

Michael Wagner, ETH Zürich

10:10-10:30 **Energy and World visions**

Paola Vigantò, IUAV Venice

10:30-10:50 **Discussion: 20 min**

10:50-11:10 **Break**

11:10-13:00 **Panel 5** (3*15 min presentation and 5 min discussion)

Chair: Daniel Barber

11:10-11:30 **Types of decentralization and spatial implications**

Dierk Bauknecht, Öko Institute

11:30-11:50 **Energy citizen projects and Nordic landscape theories**

Edith Chezel, University Grenoble Alpes

11:50-12:10 **The role of integrated spatial and energy planning conditions for sustainable development at the regional and local level. Case studies of Polish territorial self-governments.**

Marcin Włodarski, Michał Habier, Justyna Martyniuk-Pęczek, at Gdansk University of Technology

12:10-12:30 **Decarbonizing and Decentralizing Power in California: A Report on the Energy Transition**

Heather Rosmarin, Inter-American Clean Energy Institute

12:30-13:00 **Discussion: 30 min**

13:00-14:00 **Lunch Break**

14:00-15:20 **Panel 6** (3*15 min presentation and 5 min discussion)

Chair: Peter Palensky

14:00-14:20 **Spatial negotiation and energy transition management: the University Campus Zurich case.**

Daniela Maiullari/ Arjan van Timmeren/ Martín Mosteiro-Romero, TU Delft/ ETH Zürich

14:20-14:40 **Modeling decentralized energy systems**

Peter Palensky, TU Delft

14:40-15:00 **New Urban Energy**

Leo Gommans/Andy van den Dobbelsteen/ Siebe Broersma, TU Delft

15:00-15:20 **Discussion: 20 min**

15:20-15:40 **Break**

15:40-17:30 **Panel 7** (4*15 min presentation and 5 min discussion)

Chair: Elmira Jafari

15:40-16:00 **Collective heating systems in the Flemish nebular city: four scenarios for the city of Roeselare**

Griet Juwet, Vrije Universiteit Brussel

16:00-16:20 **Evaluation of the current situation of residential building energy consumption in Saudi Arabia**

Ahmed Felimban, TU Delft

16:20-16:40 **Transition paradigms of flood risk management and their impacts on urban spatial configuration: Taipei case study**

Fang-Yu Hu, ENSA Paris-Belleville

16:40-17:00 **Decentralized and sustainable water and energy supply for peri-urban industrial areas in Bandung, Indonesia**

Tanya Tsui, TU Delft

16:40-17:00 **Discussion: 30 min**

PROGRAM

25TH JANUARY, 2019

9:00-13:00 Workshop with Dutch local and regional organizations about energy and space

9:00-9:15 Coffee

9:15-9:20 Opening and Welcome

9:20-14:45 Introduction of Results: Mapping Green Energy in South Holland

9:45-10:00 Visit of Energy Maps

10:00-10:30 First Dialogue Session on Green Energy Maps:

What do you see on the maps? What are particular patterns? What does this mean for your work? What insights does the historical development mean for national/provincial/local spatial planning?

10:30-10:45 Break

10:45-11:30 Second Dialogue Session on Green Energy Maps

Why is the data so incomplete, unavailable and splintered? Why does this data matter?

11:30-12:15 Third Dialogue Session on Green Energy Maps

How can we use the data? How can we improve the maps? How can we use the maps and data for planning and research with societal impact?

12:15-13:00 Reporting out from dialogue sessions and final discussion

Introduction to the MOOD

13:00-14:00 Lunch Break and MOOD

14:00-17:30 Workshop of Diversity, Energy and Space (BauHow5)

Energy transitions change space and power relationships. This roundtable discussion and workshop examines the question of space and energy through the lens of diversity and integration. Roundtable and workshops with inputs by:

Torsten Lange (ETH)

Uta Leconte (TUM)

Peg Rawes (UCL)

Rokia Raslan (UCL)

Daniele Santucci (TUM)

Manuel De Borja Torrejón (TUM)

Christian Hepf (TUM)

Carola Hein (TUD)