

WORKSHOP PROGRAM

The 5th Research Area [X] 'Networks' Workshop

Theme 2019:

'INNOVATION NETWORKS AND ECONOMIC TRANSITION'

November 21-22, 2019

Center for Solar Energy and Hydrogen Research, (ZSW), Stuttgart, Germany

Scientific Committee:

Christian Cordes, University of Bremen, Germany

Michael Fritsch, FSU Jena, Germany

Dirk Fornahl, University of Bremen, Germany

Björn Jindra, Copenhagen Business School, Denmark

Antje Klitkou, NIFU, Norway

Matthias Müller, University of Hohenheim, Germany

Daniel Schiller, University of Greifswald, Germany

Ben Vermeulen, University of Hohenheim, Germany

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Organizing team:

Tobias Buchmann (ZSW Stuttgart)

Muhamed Kudic (University of Bremen)

Jutta Günther (University of Bremen)

Andreas Pyka (University of Hohenheim)

Thursday, November 21

12.00 – 12.45 pm Coffee & Registration

12.45 – 01.00 pm **Welcome address** (Tobias Buchmann, ZSW)

01.00 – 02.00 pm **Keynote: Paolo Saviotti**

'Structural Change, Networks and Economic Development'

02.00 – 03.30 pm **Session 1 – System and network dynamics**

S1.1. Ben Vermeulen, Regina Shagidullina; Michael Schlaile, Andreas Pyka. 'A mission-oriented, control-systemic innovation system policy perspective on the urban mobility transformation'

S1.2. Stephane Lhuillery, Samih Atmane: 'Eco-certification and innovation network dynamics'

S1.3. Shkolnykova, M. 'Who shapes plant biotechnology in Germany? Joint analysis of the evolution of co-authors' and co-inventors' networks'

03.30 – 04.00 pm Break

04.00 – 05.30 pm **Session 2 – Networks and transition processes**

S2.1. Miriam Athmer, Christian Stehr, 'Innovation Networks as Drivers of a Structural Change in the Rhenish Lignite Area'

S2.2. Thanos Fragkandreas, 'Do Innovation Systems Induce Inequality?'

S2.3. Ayesha Khan, Haasis; 'The process of Economic Transition via Innovation Networks driven by China Pakistan Economic Corridor (CPEC)'

05.30 – 06.00 pm **Presenting the ZSW** (Maike Schmidt)

07.30 – 09.00 pm Joint Dinner (Sophies Brauhaus, <http://sophies-brauhaus.de/en/>)

Friday, November 22

09.00 – 09.30 am Coffee & Registration

09.30 – 10.30 am **Keynote: Mark Knell**

'From national innovation systems to global innovation networks'

10.30 – 12.00 am **Parallel Sessions**

P1: 'Virtual simulation labs and simulation techniques'

Opening talk: Andreas Pyka

P1.1 Bert Droste-Franke, Markus Voge 'Simulating Technological Innovation Networks – Modelling Value Chains and Product Space Using the Example of Lithium Batteries'

P1.2 Mueller, M., Kudic, M., Vermeulen, B. 'How is R&D collaboration affected by the structure of technological knowledge? Insights on knowledge discovery from an agent-based simulation approach'

P2: 'Transition from Biotechnology toward Bioeconomy'

Opening talk: Daniel Schiller

P2.1 Milad Abbasiharofteh: 'Driving forces of invention in European bioclusters'

P2.3 Klitkou, A.: 'Intermediary organisations and knowledge hubs facilitating the forest-based bioeconomy in the North'

P3: 'Development and application of network-based indicators in transformative technological fields'

Opening talk: Jutta Günther

P3.1 Buchmann, T., Wolf, P., Kudic, M., Friz K., Kladroba, A.: 'New indicators for transformative technological fields'

P3.2 Sebestyén, T. Varga: 'University-industry research collaboration in leading and lagging regions of Europe A descriptive analysis'

12.00 – 01.30 pm Lunch

01.30 – 03.00 pm **Session 3 –Policy design and other issues**

S3.1 Ruth Oriama 'Innovation-triggered transformation towards a knowledge-based health bioeconomy in Kenta'

S3.2 Jessica Birkholz 'The Role of Entrepreneurial Exploration and Exploitation for the Transformation of Regional Knowledge Bases'

S3.3 Prochaska, L., Schiller, D. 'The transition of innovation policy from biotechnology to bioeconomy at the regional level – A comparison of first movers, followers, and latecomers in Germany'