

# Applied Energy System Transformation

## Applied Energy System Transformation: Inter- and Transdisciplinary Perspectives 2-M3 and 2-M4, Lecture Hall HIC Wednesday, 10/08/2022, 8:30 - 12:00

- 8:30 - 8:40 **Energy System Transformation as Socio-technical Challenges and Wicked Problems – Added Value of Inter- and Transdisciplinarity – An Introduction**  
Prof. Dr. Michael Roos, Chair for Macroeconomics, Faculty of Management and Economics, RUB
- 8:40 - 8:55 **Energy System Transformation: The Ethical Perspective**  
Prof. Dr. Klaus Steigleder, Chair for Applied Ethics, Institute of Philosophy, RUB
- 8:55 - 9:10 **Energy System Transformation: The Economic Perspective**  
Prof. Dr. Andreas Löschel, Chair for Environmental/Resource Economics and Sustainability, Faculty of Management and Economics, RUB
- 9:10 - 9:25 **Energy System Transformation: The Legal Perspective**  
Prof. Dr. Johann-Christian Pielow, Director of the Institute for Mining and Energy Law, RUB
- 9:25 - 9:40 **Energy System Transformation: The Governance and Participation Perspective**  
Dr. Jan-Hendrik Kamlage, Research Group Leader Participation and Transformation, Center for Environmental Management, Resources and Energy, Faculty of Management and Economics, RUB
- 9:40-10:00 **Discussion** (based on the thesis on the challenges and wicked problems of the energy system transformation formulated by each speaker from his professional perspective in his keynote; working out the added value of inter- and transdisciplinarity) Moderation: Prof. Dr. Michael Roos
- 10:00 - 10:30 **Coffee Break**
- 10:30-11:15 **The Ruhr Metropolis: Inter- and Transdisciplinary Living Lab of Applied Energy System Transformation**
- 10:30-10:40 **Hydrogen Metropolis Ruhr – Promoting the Hydrogen Innovation Ecosystem Ruhr by Regional Network Management**  
Jörg Kemna, HUB-Manager, Business Metropole Ruhr GmbH (BMR)
- 10:40-10:45 **Questions by Moderator**
- 10:45-10:55 **Contributions of Sewage Treatment Plants to Energy System Transformation**  
Dr. Emanuel Grün, Executive Board Member for Water Management and Technical

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Services, Emschergenossenschaft and Lippeverband

10:55-11:00

**Question by Moderator**

11:00-11:10

**Transformation Research for the Energy Transition – Climate Protection and Raw Material Supply**

Prof. Dr. Görgo Deerberg, Deputy Director, Fraunhofer Institute for Environmental, Safety and Energy Technology UMSICHT

11:10-11:15

**Question by Moderator**

11:15-12:00

**Panel Discussion: Applied Energy System Transformation – Challenges and Added Values for Sustainable Transformation of Districts, Cities and Regions**

- Patrick Schneckeburger, LivingLab TransUrban.NRW and Member of the Management of E.ON Energy Solutions GmbH
- Katrin Schirmacher, Head of Project Communications, Amprion (tbc)
- Ulf C. Reichhardt, Managing Director, NRW.Energy4Climate (tbc)
- Claudia van Laak, Office Manager, Open District Hub e. V.