



SYSTEM INNOVATIONS AND TRANSITIONS TO SUSTAINABILITY

Convenors:

Jochen Markard (Federal Institute of Aquatic Science and Technology, Switzerland)

Rob Raven (Eindhoven University of Technology, The Netherlands)

Jacco Farla (Utrecht University, The Netherlands)

Lars Coenen (Lund University, Sweden)

Session 1: Theoretical perspectives on transitions (Thursday 2 September, 13.30 – 15.30 / Faculty of Law – Room C) Chair: Lars Coenen

Paper available	Frank Geels	Ontologies, socio-technical transitions (to sustainability), and the multi-level perspective
Paper available	Jonathan Köhler	Connecting neo-Schumpeterian theory and Transition Theory: The next Kondratiev Wave and Sustainability Transitions
Paper available	Sarah Ward, Stewart Barr, David Butler, Ali Memon Fayyiz	Rainwater harvesting in the UK: Socio-technical theory and practice
–	Athena Piterou	A network perspective on sociotechnical transitions: the print-on-paper sociotechnical system
Paper available	Tjerk Jan Schuitmaker	Identifying and unravelling persistent problems

Session 2: Micro-level foundations (Thursday 2 September, 16.00 – 18.00 / Faculty of Law – Room C) Chair: Jacco Farla

Paper available	Jörg Musiolik, <u>Jochen Markard</u> *	Creating collective resources in emerging technological fields: The case of stationary fuel cells
Paper available	Björn Budde, Matthias Weber	Exploring the micro level of technological innovation systems: Expectations as a key to understanding actor strategies in the field of 'green' vehicles
Paper available	Sjoerd Bakker, Harro van Lente	Credible expectations – the US Department of Energy's Hydrogen Program as enactor and selector of hydrogen technologies
Paper available on request	Frank Geels, <u>Bruno Turnheim</u> *	The destabilisation of existing regimes in socio-technical transitions: A multi-dimensional framework and case study of the British coal industry (1913-1970)
Paper available	Per-Anders Langendahl, Matthew Cook, Stephen Potter	Exploring the eco-innovation journey in a firm from the UK food processing context

* First author will present the paper unless another author is underlined

Session 3: Contextual and institutional embedding
(Friday 3 September, 9.00 – 11.00 / Faculty of Law – Room C)
Chair: Jochen Markard

–	Emma van Sandick, <u>Lars Coenen*</u> , Roald Suurs	Scaling up or embedding system innovation? Transition experiments, policy environments and institutional context
–	Matthias Weber, Harald Rohrer	A systems approach to transition dynamics: providing a foundation for legitimizing goal-oriented policy strategies
Paper available	Simona Negro, Floortje Alkemade, Marko Hekkert	Seven typical system failures that hamper the diffusion of sustainable energy technologies
Paper available	Knut Sørensen	From «alternative» to «advanced»: changed visions of designing sustainable technologies
Paper available	Peter van Kouwen, <u>Jacco Farla*</u> , Jaco Quist	A new socio-technical scenario method applied to plug-in hybrid electric vehicles in the Netherlands

* First author will present the paper unless another author is underlined

Session 4: Politics and power
(Friday 3 September, 14.00 – 16.00 / Faculty of Law – Room C)
Chair: Rob Raven

Paper available	Adrian Smith, Rob Raven	What is 'protective space'? Towards a politics of niche development in sustainability transitions
Paper available	Caetano Penna, Frank Geels	The role of societal pressures in transitions: the issue of air pollution and the American automobile industry (1943-1985)
Paper available	Philine Warnke, Elna Schirrmeister	Transformative RTI policy – A difficult transition. The case of Product Consumption 2.0
Paper available	Erik Paredis, Thomas Block	Transition management and its influence on existing policy arrangements: explaining the dynamics of policy change
–	Harald Rohrer	Understanding the role of civil society in energy transitions
Paper available	Kornelia Konrad	Governance of and by expectations

Session 5: Geography of transitions
(Friday 3 September, 16.30 – 18.30 / Faculty of Law – Room C)
Chair: Lars Coenen

–	Rob Raven	Experimenting for sustainability in Asia
–	Claus Seibt	A political study perspective for better understanding of the location of the political in system innovation
Paper available	Maj-Britt Quitzau, Birgitte Hoffmann, Morten Elle	Managing transition towards energy efficient housing at the local level
Paper available	Matthew Cook, Stephen Potter	Critical reflections on the performativity of transition frameworks in the making and remaking of places experienced as urban
–	Roald Suurs, Linda Kamp	Exploring the rise of motors of innovation in Danish and Dutch wind power innovation systems
–	Søren Kerndrup	Sustainable Transition as social change