



Universiteit Utrecht

16th International CINet Conference: Pursuing Innovation Leadership

13-15 September 2015 - Stockholm, Sweden



SPECIAL TRACK: RADICAL INNOVATION: ANTECEDENTS AND OUTCOMES

Identifying and characterizing the antecedents and outcomes of Radical Innovation is the only way to unveil the complex traits of the path to those innovations that, for their inherent challenges, dramatically and irreversibly alter the status quo of the economic and industrial context and structure in which they come to life and take shape. Either in terms of their antecedents (i.e., the scope of new knowledge required and its degree of heterogeneity) or in terms of their consequences (i.e., the increased performance they make possible, the new meanings they create), radical scientific and technological achievements have paved the way for long-term economic development and growth. Nevertheless, most research has focused on innovation in general, leaving the topic of radical innovation rather blurred, both theoretically and empirically. This session aims to explore the antecedents and outcomes of radical technological innovations and scientific breakthroughs, by addressing this topic at individual and team levels.

Relevant track sub-themes may include:

- Radical technological innovations
- Radical innovation in services
- Scientific breakthroughs
- History of inventions and discoveries
- Knowledge recombination dynamics
- Creativity and collaborative dynamics
- Way of inquiry (e.g., induction, deduction, abduction)
- Scientific and Technological Indicators (e.g., publication- and/or patent-based)
- Typologies and Taxonomies

Track aim: The aim of this track is to present the state of the art around the topic of radical technological inventions and scientific breakthroughs. Prof. Koen Frenken will give some insights on how the topic is researched within both the Research Policy and Industrial and Corporate Change journals. We expect to arrange this track as a sort of 'living lab' (i.e., brainstorming, idea presentation, research collaboration, etc.) aimed at presenting and debating around research ideas and new methodologies, finding out ways to organizing for potential international collaborations on the topic.

Organizers: **Francesco Paolo Appio** (Università di Pisa - DESTEC). He is Research Fellow at the Università di Pisa, where he teaches Business Process Management. He holds a Ph.D. in Management. His main research interests deal with the antecedents (novelty, originality) and consequences (impact) of radical innovations, intellectual property both from managerial and strategic standpoints, co-creation and development practices, diversity as driver for innovation, and decision making tools in the fuzzy front end of innovation. With Antonella Martini, he recently started a project on collective intelligence in regions mediated by indirect coordination mechanisms (i.e., stigmergy) in collaboration with the MIT Sloan School of Management (Prof. Scott Stern).

More info: <http://francescopaoloappio.weebly.com/>

Koen Frenken (Utrecht University, Lund University). He is professor in Innovation Studies. Theoretical interests include evolutionary economics, complexity theory and network science. He mainly works on the evolution of science and technology, economic geography, innovation policy and sharing economy. He is part-time guest professor at CIRCLE, part of Lund University and member of the council of scientific advisors of Airneth. He is Advisory Editor for Research Policy and Associate Editor for Industrial and Corporate Change.

More info: <http://www.uu.nl/staff/KFrenken>

Bart Van Looy (K.U. Leuven - MSI). He is professor in Innovation and Organization, co-promotor of ECOOM and responsible for the research activities of INCENTIM (Research division K.U. Leuven R&D), which conducts applied and basic research in the field of innovation, technology and knowledge intensive entrepreneurship (in close collaboration with Eurostat and DG Research (EC)). His current research focuses on innovation processes (firm level) and regional innovation systems (Entrepreneurial Universities and Science -Technology interactions).

More info: <http://feb.kuleuven.be/feb/medewerker/Userpage.aspx?PID=622>

Submissions: Researchers wishing to contribute are invited to submit a structured abstract (in Word format) of 750-1000 words (references included) by **March 16, 2015**.

See <http://www.continuous-innovation.net/events/conferences/2015.html> for details