



SIG 06 - INNO - Innovation

We invite you to submit your research to explore the theme of

MANAGING WITH PURPOSE

for the EURAM 25th Conference.

We look forward to receiving your submissions.

T06_13 - Bridging Academia, Science and Industry for Tomorrow's Breakthroughs

Proponents:

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Short description:

To tackle Grand Challenges, the development and diffusion of new scientific knowledge to fuel NPD processes are critical. A better understanding of new ways of organizing such knowledge transfer is needed. At the individual level, academics need to navigate novel tensions between engagement with industry, publish-or-perish paradigm and innovation. At the organizational level, universities and companies need to explore new ways to foster mission-oriented research and synergies between discoveries and inventions. Furthermore, new forms of research organizations are emerging and take part in transfer processes. This results in significant ecosystem shifts which call for further investigation.

Long description:

We observe profound changes in the ways of organizing and managing science for innovation, opening new perspectives for science and innovation management research. First, academics are more engaged in collaboration than ever with industry, despite an increase in the 'publish or perish' competition (e.g., Perkmann et al., 2021). Universities are more oriented toward both capturing the value of such engagement and finding new ways of organizing the creation and exchange of scientific knowledge in the quadruple-helix paradigm (Miller et al., 2016). A better understanding of the novel ways universities foster, organize and measure those activities, rely on new business models and mission-oriented research (Robinson et Mazzucato, 2019) to tackle grand challenges need more thorough investigation.

Second, the novel ways companies engage with science and seek new knowledge require further exploration. How do companies organize the balance and synergies between internal fundamental discoveries and inventions (Narayanamurti et Odumosu, 2016), how do they manage scientific knowledge (Plantec et al., 2021), how knowledge that is not easily codified and packaged can still be transferred and utilized (Hayter et al. 2020) and what are the new roles of managers and corporate scientists for innovation and interactions with knowledge ecosystems become critical questions for management research (Ollila et Ystrom). Third, we observe the emergence of new forms of research

AUTHORS GUIDELINES

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organizations at the core of science- industry relations (Giannopoulou et al., 2019). We need to better understand the role and function of non-university- like research institutions (Gilain et al., 2022). Exploring the contribution of third parties in science-industry relations such as NGOs, Hospitals, or crowd, as well as new places for research such as Open Lab (Fritschze et al., 2020) would also be critical. Fourth, how new practices of doing scientific research emerge in relation to addressing Grand Challenges deserves more attention from management scholars (Block et al., 2021). New perspectives on assessment of the rigor/relevance of science in this context is needed, as well as further exploration of the role of science in the R&D process to tackle Grand Challenges (Sarpong et al., 2022). As a result, we would welcome papers relying on diverse types of analyses and at different levels (individual, organizational, ecosystem, etc.). The covered topics by the track could include:

Academic engagement/entrepreneurship
Corporate Science
Triple & Quadruple Helix
Deep-tech start-up
Mission-oriented research
University-Industry collaboration
Knowledge ecosystems
New spaces for collaborative research & knowledge creation
Science for Grand Challenges

Keywords:

- Science
- Industry
- Academic Engagement
- Corporate Research
- Quadruple Helix
- Academic Entrepreneurship

UN Sustainable Development Goals (SDG):

Goal 9: Industry, Innovation, and Infrastructure; Goal 17: Partnerships for the goals

Publication Outlet:

- Technovation
- R&D Management
- European Management Research (EMR)

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