

W3 - Fostering Collaboration between Academia and Industry for Challenge-Driven Innovation

7. CHALLENGE-DRIVEN AND RESPONSIBLE INNOVATION

Lena Gumelius¹ (lenagu@kth.se)

Anders Rosén¹ (aro@kth.se), Gunilla Ölundh Sandström¹ (gunillaos@kth.se), Susanne Nilsson¹ (suni@kth.se)

¹ KTH Royal Institute of Technology

Track summary: In this track we aim to develop a workshop with the purpose to foster a dialogue between academia and industry stakeholders. The workshop's primary goal is to harness collective wisdom, foster mutual learning, and catalyze meaningful collaborations towards challenge-driven innovation. In essence, this workshop seeks to ignite the collective energies of academia and industry towards addressing the pressing challenges of our times. By bridging gaps and fostering a collaborative spirit, the hope is to drive innovations that are not only transformative but also sustainable for future generations.

Examples of Research Topics Connected to the Theme:

The Efficacy of Challenge-Driven Education (CDE): Studies focusing on how CDE instills real-world problem-solving skills in students and its impact on innovation.

Role of External Stakeholders in CDE: Delving into how external partnerships, from industries to civil societies, enhance the depth and breadth of learning for both students and stakeholders.

Organizational Learning and Challenge-driven Innovation: Research on the influence of organizational culture, leadership strategies, and team dynamics on fostering or hindering challenge-driven innovation in organisations.

Failures as Catalysts for Innovation: Investigations into how organizations perceive failures and the potential lessons derived from them to drive innovative solutions addressing societal challenges.

Intersection of Challenge-Driven Innovation and CDE: Exploration of how combining academic insights from CDE with learning can spur challenge-driven innovation.

Societal Impacts of Academia-Industry Innovations: Research on the broader societal implications and transformations resulting from innovations that stem from the nexus between academic institutions and industries.