

Research Seminar Day

The Interplay Between Global Value Chain Resilience and Regional Resilience: A Panarchy Theory Perspective

This paper introduces a novel conceptual model anchored in panarchy theory, illustrating the interconnectedness and co-evolution of global value chain (GVC) resilience and regional resilience. We conceptualize GVCs and regions as complex adaptive systems (CAS), trace their resilience journey throughout their intertwined adaptive cycles, and conceptually explore cross-scale interactions (both bottom-up and top-down) between GVCs and regions along this journey. Drawing on illustrative evidence from secondary sources, we illustrate the role of regions in GVC resilience through collaboration, accommodation, openness, modularization, cross-sectoral distribution, and cluster reconfiguration and explain how GVCs' multinodal governance, network configuration, new technologies, resource (re)allocation, and (re)design interact with regional resilience. Our model incorporates hierarchical and nested structures, highlighting the dynamic, co-evolving relationship between regional systems and GVCs and highlighting the spatiality of resilience across interconnected scales.

Key Words: Complex Adaptive Systems, Global Value Chains, Panarchy Theory, Regions, and Resilience.



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1:00 to 2:00 PM



KBS room 115 (Bldg. 24)

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Dr. Ahmad Arslan is currently working as a Professor at the Department of Management and Marketing, Business School, King Fahd University of Petroleum & Minerals, Saudi Arabia. He has earlier worked at different universities in Finland and the UK. Dr Arslan has multidisciplinary research interests within large field of management and his earlier research has been published in prestigious academic journals including *British Journal of Management*, *European Management Journal*, *Human Resource Management (US)*, *Human Resource Management Review*, *International Business Review*, *International Marketing Review*, *Journal of Business Research*, *Journal of International Management*, *Journal of International Business Studies*, *Journal of Knowledge Management*, *Journal of Managerial Psychology*, *Journal of Product Innovation Management*, *Management International Review*, *Public Management Review*, *Supply Chain Management*, *Technovation*, *Technological Forecasting and Social Change* and *The International Journal of Human Resource Management*, among others. He has received several academic awards over the years including Best Reviewer award for 2024 (British Journal of Management), and several Emerald literati awards for both reviewing as well as publishing. Finally, he has been active in editorial roles including being Senior Editor, Associate Editor, Guest Editor and Editorial Board Member of different well-ranked academic journals.