Title:

Digital Infrastructures & Platforms: Mechanisms of Embedding and Scaling

Abstract:

Digital technologies (e.g., humanoid robots, mobile apps, wearables) are increasingly embedded into larger infrastructures, platforms, and processes in order to create value and foster innovation. However, this is often challenging given existing organizational, institutional, professional, or other barriers, especially in healthcare. My work is concerned with the embedding of digital technologies into integrated and outcome-oriented processes for improving the life of large numbers of people. I work on a deep systemic (network-analytic and data-driven) understanding of processes of change (i.e., innovation and inertia) in digital infrastructures and aim to understand by which mechanisms innovation and inertia are brought about. Furthermore, my work is concerned with questions of organizing and governing for digital (healthcare) transitions. In my talk, I will give an overview of my work and methodology to conceptualize change in digital infrastructures with a particular focus on and specific examples from healthcare.

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