



School of Business

Research Seminar Series 2021-2022

“Using Artificial Intelligence to enhance dynamic capabilities during pandemics: A temporal complexity analysis”

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Date: Tuesday 10, May 2022

Time: 1pm – 2pm

Venue: MS Teams

Paper Abstract

The capricious and uncertain environment due to COVID-19 has resulted in an increased focus on better approaches for detecting, preventing, and managing pandemics under extreme time pressures. As a result, organizations have dedicated significant resources for developing technology-driven solutions, e.g., Artificial Intelligence (AI), for tackling the healthcare crisis. Within this context, our understanding of the operationalization of AI in healthcare capabilities is still rather limited. In this paper, we propose a theoretical framework grounded in the dynamic capabilities view (DCV) that focuses on AI as an enabling technology. Based on the review of extant literature, we examine the role of AI-enabled dynamic capabilities within the context for healthcare and pandemics.