THE HONG KONG POLYTECHNIC UNIVERSITY DEPARTMENT OF MANAGEMENT AND MARKETING

Departmental Research Seminar

How Will the AI Genie Behave
By

Prof. Arun Rai
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Date : 2 Jul 2019 (TUE)
Time : 2:30 pm – 4:00 pm
Venue : M802

Abstract

We are witnessing the increasing ubiquity of AI, with accelerating deployment in a wide variety of task domains, entrepreneurial activity across industries, and embedding in the core processes of digital platforms and firms. Alongside the increasing ubiquity of AI, we are encountering broad, unintended consequences, both beneficial and harmful. These unintended consequences are arising from unexpected behaviors and downstream effects that emerge through interactions of AI agents with the environment and other agents. To be able to control the actions of AI in ways that harvest its benefits while minimizing harm, we need to develop an integrated understanding of AI behavior in the environments in which it is deployed. I will offer a perspective on how such an integrated understanding can be developed through research that investigates thorny issues related to how AI agents acquire their behavior, how the behavior is triggered and enacted, the interaction dynamics of AI agents with other agents that lead to unintended consequences, and the influence of policy decisions on how AI systems evolve.

Prof. Arun Rai is Regents' Professor of the University System of Georgia and holds the Robinson and Harkins Chairs at Georgia State University's Robinson College of Business. He is serving as the Editor-in-Chief of the *MIS Quarterly*, where he is implementing a trifecta vision focused on impact of work, range in perspectives and methods, and speed of editorial processes.

His research has examined how organizations can leverage information technologies in their strategies and processes, and how digital innovation can address business and societal problems. He is the co-founder and Director of the Center for Process Innovation, an interdisciplinary research center that leverages industry-university partnerships toward impactful research. His former Ph.D. students hold leadership positions at major journals, universities, and professional organizations. He was named Fellow of the Association for Information Systems for outstanding contributions to the Information Systems discipline in research, teaching and service and received the INFORMS Information Systems Society Distinguished Fellow Award for outstanding intellectual contributions to the IS discipline.

All interested are welcome.

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