

An Eye for AI: Insights into the Governance of Artificial Intelligence and Vision for Future Research

Deepika Chhillar
Gies College of Business
University of Illinois at Urbana-Champaign

Ruth V. Aguilera
D'Amore-McKim School of Business
Northeastern University

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Extended Abstract: This review paper discusses the governance challenges of AI adoption by businesses and their effects on individuals and society. Governance refers to the rules and procedures that hold organizations accountable to their members and to their external stakeholders and broader society. In reviewing the governance demands of AI adoption, we identify societal challenges emanating from ineffective governance across the multiple dimensions of AI, ranging from micro-processes related to trust in machine thinking to macro-level governmental surveillance of citizens. Our paper is organized in three main sections. We begin by providing a background of why business and society would be served well by paying attention to the governance of AI, what it means to govern AI, and discuss how the literature has attempted to understand governance of AI thus far. Second, we describe our research design, which led us to identify three broad research themes into which the AI literature can be categorized and examine the role of governance in each of these themes. One we have assessed the governance role in existing research, we propose a governance framework that can push forward our understanding of AI and its challenges. We close by suggesting fruitful areas of future research in the field of governance of AI, with special attention given to how existing organizational theories can help us advance knowledge in the governance of AI.