

Publication Strategies for DSS, ISR, and I&M



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University of British Columbia (UBC)

2024.04.18

Junior Scholar Consortium 2025



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AI + Scientific Discovery

Pathways for Design Research on Artificial Intelligence

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Received: April 1, 2024

Accepted: April 1, 2024

Published Online in Articles in Advance:
May 23, 2024

<https://doi.org/10.1287/isre.2024.editorial.v35.n2>

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Abstract. An expanding body of information systems research is adopting a design perspective on artificial intelligence (AI), wherein researchers prescribe solutions to problems using AI approaches rather than describing or explaining AI-related phenomena being studied. In this editorial, we address some of the challenges faced in publishing design research related to AI and articulate viable pathways for publishing such work. More specifically, we highlight six major impediments, use the explosion in the state of the art for large language models to underscore these impediments, propose some pathways for overcoming the impediments, and use several example articles to illustrate how the pathways can be followed for different types of AI-related design artifacts.

Funding: A. Abbasi was funded by the National Science Foundation (NSF) [Grants 2240347 and IIS-2039915] and a Kemper Faculty Award. J. Parsons was funded by the Natural Sciences and Engineering Council of Canada (NSERC) [Grant RGPIN-2020-04916].

Keywords: artificial intelligence • design research • information systems research • pathways

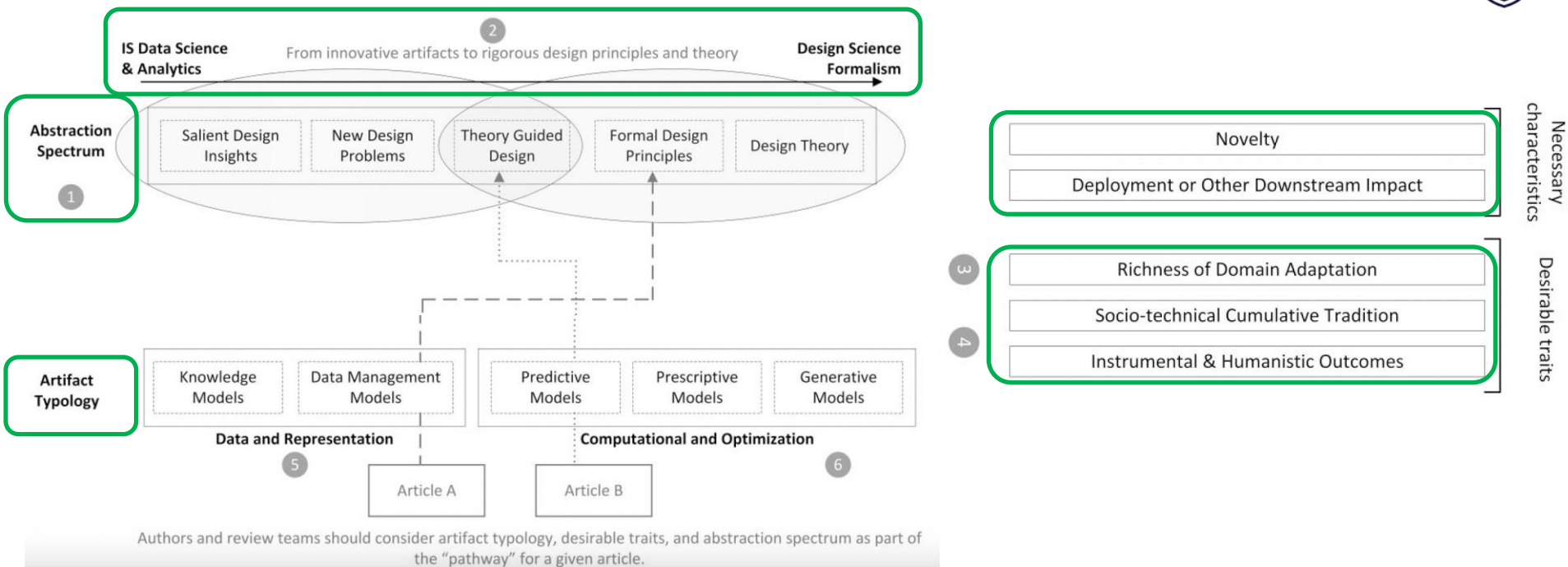
Rapid Developments of AI



Figure 2. (Color online) LLMs—A 10-Year Journey of Explosive Growth



Pathways for Design-Oriented AI Research in IS






On Crafting Effective Theoretical Contributions for Empirical Papers in Economics of Information Systems: Some Editorial Reflections

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Received: July 8, 2024

Revised: July 8, 2024

Accepted: July 8, 2024

Published Online in Articles in Advance:
August 14, 2024

<https://doi.org/10.1287/isre.2024.editorial.v35.n3>

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Abstract. The terms theory and theoretical contributions evoke mixed reactions in the information systems discipline, especially among empirical researchers in the economics of information systems (Econ-IS) area. Although some see such contributions as the *raison d'être* for academic scholars engaged in research, others feel that the discipline has developed a fetish for theory, with reviewers and editors often demanding an unreasonable level of theoretical contributions for empirical manuscripts to succeed in the review process. Moreover, there exists a great deal of diversity in the conception of what constitutes a reasonable theoretical contribution, especially within empirical work, across editors and reviewers, leading to frustration with the review process and disappointment with editorial decisions. Given the different types of theoretical contributions that may be suitable for

11 February 2025

Bright Internet through Secure and Responsible Artificial Intelligence

Submission deadline: **30 June 2025**

Background

The Bright Internet initiatives aim to transform the current Internet landscape into a more secure, trustworthy, and resilient environment. Originating from the recognition of growing cyber threats, data breaches, and the erosion of user trust, the concept of the Bright Internet was developed to address these pressing issues. It seeks to establish a framework where safety, privacy, and accountability are prioritized, ensuring that users can navigate the digital world without fear of malicious activities. The initiative focuses on implementing proactive security measures, fostering a culture of transparency, and promoting responsible behavior among all internet stakeholders. By leveraging advanced technologies and collaborative efforts, Bright Internet aspires to create a digital ecosystem where trust is restored, and the Internet's potential for positive societal impact is fully realized. Since 2017, the Bright Internet Global Symposium (BIGS) has been established as a forum for exchanging the vision of Bright Internet and discussing research outcomes and advancements surrounding Bright Internet issues. It fosters collaborations among researchers, companies, academic institutions, government bodies, and international organizations to achieve mutual benefits that transcend individual country capabilities.

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<https://www.sciencedirect.com/special-issue/319301/bright-internet-through-secure-and-responsible-artificial-intelligence>

Thank you!

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