
Call for Papers 2/2023

Special Issue Editors 2/2023:
Prof. Dr. Klaus Moeller, Prof. Dr. Maël Schnegg, Prof. Dr. Wolfgang Schulz

Promises and Challenges of Artificial Intelligence

Artificial Intelligence (AI) has seen a strong grow in importance and use in the last decade. Such technology performs tasks normally requiring human intelligence, such as visual perception, speech recognition, or decision-making. AI can help organizations to become more efficient or faster on core or supportive processes like validation of credit demands, or sending out bills reminders. It can also help offering better product and services by making them more precise, or by discovering new patterns through the analysis of data (e.g., cross-selling of products, identification of new markets, etc.). These potentials and changes do not come without their challenges: AI for example generate biases favoring male over female candidates or ethnical groups, when used to assist human resources in their hiring decisions. Also around self-driving cars it must be decided who (programmer, algorithm, law...) decides on what (preserve pedestrians, animals, infrastructure...) based on what (information, code, preferences...). All these challenges have multiple implications, with regards to the effective design of the algorithms, the man-machine interaction, the ethicality embedded in the algorithms, the trust that users can have in a machine, and the way the designers and owners of AI are sharing responsibilities over the potential flows of the machines. As such, the questions are relevant for individuals, mangers, organizations and society.

This special issue provides a forum for original theories, methods, cases, and concepts that contribute to a better understanding of the use and specifically the implications of AI on business, organization, individuals, ethics and society at large. The impact can be analyzed through a legal, governing, organizational, behavioral or management lens. We invite qualitative, quantitative, analytical, data-science, conceptual, and design science-oriented submissions that leverage the multiple perspectives of management research.

Questions of interest include, but are not limited to:

- Which are the business areas where AI can support or complement human judgement? Which decision should not be transferred to machines upon ethical concerns?
- How should the human-machine interaction be designed?
- Can ethical behavior and decision-making be taught/implemented in AI? With which limits?
- What can companies, customers, and AI users deploy to increase trust in AI?
- What role should governing bodies play to ensure ethical use of AI and increase trust in technology?
- How should companies organize themselves to ensure control and responsibilities over AI decisions?
- Is there a limit to the personal and organizational responsibility upon AI decisions they created and deployed?

We look for contributions from all disciplines of management and related areas, e.g., psychology, sociology, law, information or computer science, that may advance our understanding of digital work and may help organizations navigate through these upcoming developments.

Manuscripts can be submitted either in English or German. Please submit your paper by email (doc or PDF-file) to one of the guest editors of the special issue, which you can also contact for further information and questions. Prior to submission please visit the author guidelines on www.dieunternehmung.ch and follow the instructions provided.

Timeline

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| Submission of contributions | August 31, 2022 |
| Feedback on initial submission | October 31, 2022 |
| Submission of revised manuscript | January 10, 2023 |
| Submission of final manuscript | March 14, 2023 |
| Publication of special issue | May 2023 |

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All submitted contributions are subject to a Double-Blind-Review.

Relevant authors information and guidelines can be found on: www.dieunternehmung.ch