
Editorial

This special issue of *The Swiss Journal of Business Research and Practice* focuses on the Promises and Challenges of Artificial Intelligence. The rapid growth of artificial intelligence in recent years has led to its use in a variety of areas, including visual perception, speech recognition, and decision-making. AI has the potential to make businesses more efficient and effective by improving products and services and discovering new patterns through data analysis. However, AI also poses ethical challenges such as biases and trust issues. This special issue aims to provide a platform for original theories, methods, and approaches that contribute to a better understanding of the ethical implications of AI and how to frame it with legal, governing, and managerial principles. The issue invited submissions from all disciplines of management and related areas to explore questions such as which areas of business can AI replace human judgment, how ethical behavior and decision-making can be implemented in AI, and the role governing bodies should play to ensure ethical use of AI.

The issue focuses on the intersection of artificial intelligence (AI) and accounting and finance. The four articles share a common theme of exploring the use and implementation of AI, with each article approaching the topic from a different angle. The first article emphasizes the need for interpretable machine learning techniques to detect accounting fraud, while the second article examines the value of AI implementation from an investor's perspective. The third article proposes a governance framework for AI to address ethical concerns in organizations, and the fourth article explores the relationship between trust and acceptance of AI-based investment recommendations in the context of robo-advisory services. While each article provides unique insights, the common thread is the potential benefits and challenges of AI in the accounting and finance domain.

Leonhard J. Lösse and *Barbara E. Weißberger* discuss the importance of detecting accounting fraud using machine learning models but points out that most models focus on accuracy, which leads to a high number of false-positive predictions that hinder practical application. Therefore, the article argues for the need for interpretable machine learning techniques that provide additional explanations, enabling plausibility checks and investigations. The paper analyzes the legal and organizational conditions that drive the need for interpretability from the perspective of primary user groups, including audit firms, enforcement authorities, and investors. The analysis suggests that machine learning models for detecting accounting fraud without additional transparency are reasonable only under narrow assumptions, and requirements for interpretable fraud predictions are derived for each user group. The article also discusses the importance of effective human-machine interaction for successful machine learning-based accounting fraud detection in highly regulated settings. The study is limited to accounting and information systems literature and encourages future research to cover multiple perspectives, broaden research on enforcement, and evaluate models' explanations locally for individual predictions.

Tawei Wang and *Ju-Chun Yen* discuss a study that explores whether the implementation of artificial intelligence (AI) brings value to organizations from an investor's perspective. The study uses AI-related disclosures and risk factors in 10-K filings as a proxy for a

firm's AI implementation. The results suggest that investors positively value firms with AI disclosures compared to those without. Additionally, AI-related risk factors are value relevant, particularly those related to regulation and security. The study also finds that IT governance plays a role in enhancing investor confidence regarding how firms address AI-related risks. The study has limitations, including the use of a single keyword to search for AI disclosure and a focus on board- and executive-level IT governance. Future research may consider exploring AI disclosures from less regulated channels and a wider range of emerging technologies.

Richard Sentinella, Maël Schnegg, and Klaus Möller discuss the challenges of implementing artificial intelligence (AI) in organizations due to ethical concerns such as transparency, fairness, and human well-being. To address these challenges, the authors propose a St. Gallen Governance Framework for Artificial Intelligence that focuses on identifying stakeholder concerns, building a management control system, assigning roles and responsibilities, and incorporating dynamism into the system of governance. The framework is developed based on insights from literature review and case studies of four large Swiss organizations. The authors argue that a well-conceived governance framework can help organizations mitigate ethical concerns and ensure successful adoption of AI. The article also discusses the importance of stakeholder involvement and strategic goals in the governance of AI systems, and the roles and responsibilities in AI governance frameworks. The quick pace of development of AI-based systems and novel AI methods requires organizations to have interaction and dynamism within their governance framework. Finally, the article highlights the importance of organizations keeping in mind their strategic goals when developing their AI governance frameworks.

Tobias Schütz, Cindy Schröder, and Carsten Rennhak discuss a study on the relationship between trust and acceptance of AI-based investment recommendations in the context of robo-advisory services. The study focuses on the three dimensions of trust, i.e., ability, benevolence, and integrity, and examines their impact on the acceptance of investment recommendations. The results suggest that trust in robo-advisory services increases the tendency to follow its recommendations, with ability and integrity yielding significance. The study provides insights into the importance of perceived trustworthiness in technology-based recommendations and contributes to research on technology acceptance and trust. The study was conducted through an online experiment in the form of an investment game, with 91 participants. Limitations of the study include a need for further research to evaluate the validity of perceived trustworthiness and the absence of a significant effect of trust after a negative experience with the recommendation. The research suggests that providers of robo-advisors should invest in measures that increase the perceived ability of the technology and actively communicate integrity-enhancing features to their customers.

This issue also features an additional contribution from Andreas R. Schmid, Heidi E. Bodenmann and Fabio Arena that investigates the employment turnover of family firms, in post-mergers situations.

The editorial that you read so far was (almost fully) generated using Artificial Intelligence and, more specifically, ChatGPT from OpenAI.

In our first naïve attempt, we aimed at gradually constructing a discussion with the robot. We first asked it whether it knew *The Swiss Journal of Business Research and*

