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AI And The Managerial Mindset: Redefining Leadership In The Age Of Intelligent Systems

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Abstract

Artificial Intelligence (AI) is fundamentally transforming the cognitive, ethical, and strategic dimensions of managerial work. Managers are no longer mere decision-makers but have evolved into interpreters, integrators, and collaborators within hybrid human–machine systems. The advent of AI necessitates a new managerial mindset—one characterized by cognitive adaptability, ethical foresight, attention orchestration, and socio-technical fluency. Drawing upon attention-based theories, inductive reasoning models, and critical perspectives on accounting and control, this paper explores how AI redefines leadership by merging analytical precision with emotional intelligence. The discussion integrates evidence from multiple empirical studies, demonstrating that effective leadership in the AI age depends not on replacing human cognition, but augmenting it through intelligent collaboration. Ultimately, the study offers a holistic framework for managerial evolution—reconceptualizing managers as ethical architects, strategic sensemakers, and adaptive learners in an era of algorithmic decision-making.

Keywords: *Artificial Intelligence in Management, Human–Machine Collaboration, Ethical Leadership, Cognitive Adaptability, Algorithmic Decision-Making*

1.Introduction

AI has rapidly developed into a transformative force in management and organizational sciences. Once seen mostly as an automation solution, AI now is recognized as a cognitive partner that shapes how organizations think, learn, and decide. This shift marks a departure away from hierarchical, control-based leadership to a style that is data-informed, collaborative and ethically motivated. Today's manager needs to learn to be working with AI, versus against it—interpret AI's discoveries, manage its limitations, and connect that knowledge with its capabilities inside a highly complex organizational ecosystem.AI is shifting manager work from transactional responsibilities to orchestrating strategies. As predictive analytics and machine learning increasingly automated operational processes, managers can elevate to higher functions such as innovation, foresight and ethical governance. Giraud et al. (2022) discussed while data may increasingly be managed by machines, generalizing conceptual and interpersonal skills will still be performed by humans. Consequently, leadership in the AI age becomes less about control and more about creating a context.

AI also moved us into an epistemological transformation: the world of management control's deductive reasoning- moving from defined models to action- are being supplanted by inductive reasoning, in that patterns and insight emerge from large data sets." Sundström (2024)notes: "This is a significant epistemological transformation for management accounting."; an example, managers will have to justify and accept uncertain predictions--a position against safe, traditional, management rationality.

2.Theoretical Background

Artificial Intelligence (AI) signifies a fundamental change in executive theory by integrating computer algorithms with human intuition as a basis for leadership. The theoretical knowledge on the impact of AI consists of cognitive theory about reasoning, socio-technical systems regarding the joint human-computer systems, and organizational behavior to underscore the emergence of behaviors relevant for managers. Cognitive theory is concerned with how humans reason in response to algorithmic intelligence, while socio-technical management theory points to the need to balance human-computer participation in systems. AI contributes to cognitive capacity but also results in information overload, and managers will be characterized by directing attention and focus wisely. At the level of managers, we refer to attention architectures that merge human reasoning with algorithms' logic. However, social-technical perspectives remind us of ethics, transparency, and trust that will be paramount in blending technology with people to mitigate biases and dehumanization. Organizational behavior provides the behavioral considerations around empathy, adaptability, and reflexivity that management requires in the digital space. Scholars note AI generates cycles of knowledge,

and as managers engage, adapt, and become stewards of their employees' educational pursuits, learning will be continuous and deeply affirming. Ultimately, AI will shift management from being a theory of control and stability to one of coordination, creation, and continuous transformation.

2.1 Managerial Skills in Transition

The classical managerial skill model (Katz, 1955) identified technical, human, and conceptual skills as central to leadership effectiveness. In the AI era, each of these is transformed.

- **Technical skills** now require digital literacy, algorithmic understanding, and data analytics competency. Managers must know how AI models function—how they process, learn, and make predictions—to ensure decisions are explainable and accountable.
- **Human skills** expand beyond communication and empathy to include managing human–AI interaction. Emotional intelligence now encompasses the ability to guide teams psychologically through technological disruption.
- **Conceptual skills** evolve toward systems thinking and foresight—understanding AI's impact on long-term strategy and societal outcomes.

Managers must bridge the *interpretive gap* between algorithmic logic and human understanding. This interpretive ability—what Davenport and Kirby (2016) call "judgment augmentation"—distinguishes effective AI-era leaders.AI also democratizes access to data, flattening hierarchies and redistributing power across organizations. As algorithms handle analytical precision, leaders must cultivate strategic insight, emotional balance, and ethical direction. Thus, management becomes more about meaning-making than micro-control.

2.2 Transitioning from Deductive to Inductive Reasoning

Classic management functions deductively: establishing missions, applying rules, and anticipating predictable outcomes. AI reverses that flow. AI induces knowledge from a large amount of data patterns without human assumptions. This is what Sundström (2024) defines as a conversion of epistemology – from managerial reasoning based on assumptions to reasoning based on empirical emergence.

For example, predictive models used in finance or HR apply identified correlations, which a human will not have intuitively 'picked up'. Objects now become a matter of interpretations instead of dictating a 'what is' outcome, evaluation of the algorithm's outcome is instead 'humanly' contextualized and ethically communicated to stakeholders. The ability is less about analyzing a pile of data, and more about performing sensemaking.

Consequently, this introduces tensions between algorithmic rationality and human rationality. While algorithms optimize outcomes to provide an efficient answer, human rationality considers empathy and ethics—in this context, the success of management in AI environments depends on balancing computation logic with humanistic reasoning.

Table 1. Comparison of Traditional and AI-Enhanced Managerial Thinking

Aspect	Traditional	AI-Enhanced
Decision Basis	Intuition & experience	Data-driven, predictive
Reasoning	Deductive (rule-based)	Inductive (pattern discovery)
Role	Controller & planner	Interpreter & collaborator
Focus	Efficiency & stability	Agility & innovation
Tools	Reports, KPIs	Dashboards, ML models
Accountability	Individual	Shared (human–AI)
Structure	Hierarchical	Networked & adaptive

This comparison highlights a new paradigm where *judgment supplants control* and *insight replaces intuition.*

2.3 Ethical and Cognitive Dimensions

Bringing AI into managerial contexts raises significant ethical concerns. Algorithms may exacerbate existing biases or obscure the decision-making process from human comprehension. Hence, ethical managerial decision-making is critical. Managers need to ensure specific elements of transparency, fairness, and accountability concerning automated decisions.

Cognitive adaptation is also important. Managers need to develop an understanding of computational empathy, and this requires a few cognitive dimensions: (1) understanding how algorithms react to the data provided as input, (2) being knowledgeable of the limits of what the algorithm can understand, and (3) being skilled at intervention based on assumption of accuracy of the algorithms judgments. Ethical cognitive adaptation required by leadership is emotional intelligence balanced with digital rationalization.

Ultimately, AI challenges individual perspectives around autonomy. If machines are answering some of the tough questions in the strategic space, leaders must re-define the authorship of decisions and accountability for the outcomes. Ethical rationale, such as the EU's "trustworthy AI" approach must be incorporated into every managerial decision, ensuring technology creates a workplace with human dignity, not destroys it.

3. Literature Review

[1].Giraud et al. (2021) found that as AI emerges, managerial authority is being reconfigured. Managers will need to develop hybrid models of communication; making decisions will consist of translating a decision from a combination of human and machine agents. To make effective decisions in these hybrid arrangements, the team needs to trust both their leadership and their guidance from the algorithm. Within the management team, managers will need to become interpreters of technology while also shaping and managing organizational culture in a way that influences attitudes toward digital transformation.

[2].Cuc et al. (2025) found that personality disposition of openness, and trust of organizational representatives, matters when it comes to using AI. Their study of behavioral readiness related to the perception of risk and opportunity in AI systems. Organizations that encourage risk taking and experimentation, are more likely to use AI systems than more bureaucratic firms that do not.

[3].Kourkoumelis et al. (2024) studied the use of AI in international management contexts. They recognized that local cultures necessitate managers to address the ethical implications of AI. This represents the particular tensions and challenges of working globally. AI necessitates localizing ethics; so when teams are making decisions using AI systems, the ethical reasoning and framework of the algorithm needs to correlate with the regional norms of labor, data privacy legislation, and values. They suggested that ethical agility, or the ability to adapt to local ethical guidelines, becomes an essential competence of global leadership.

[4].According to Sundström (2024), AI has changed management control from being precision-based in accounting to being adaptive and learning-based. Data-driven dashboards replace static reports to promote forecast and intervention by managers which allow the control function to become strategic sensing, anticipating patterns of risk, return, and stakeholder behaviours, and no longer measuring past performance.

[5].Attention-based theory (Ocasio, 1997) maintains that what managers see, or attend to, shapes what organizations can, or cannot, do. In organizations that capitalize on AI for decision support, attention becomes an important and scarce resource. Leaders must decide what to attend to, whether it is in data streams, ethical dilemmas, or opportunities for innovation in products and services. The theory of selection and attention posits that AI could be both a cognitive partner that expands attention and also becomes responsible for the fragmentation of attention. The issue is how to reallocate this kind of attention to shared strategic goals.

4. Methodological Insights

To understand how Artificial Intelligence (AI) impacts management thinking, it requires a combination of methodological perspectives that account for the complexity of the technology, as well as the cognitive complexity of how humans think. The study adopted a multi-method analytical framework that included qualitative reasoning, data-driven modeling, and interpretive synthesis. A systematic framework invites exploration not only of what changes AI brings about in management, but how those changes happen, manifesting in decision systems, leadership decisions, and organizational cultures.

4.1 Conceptual Orientation

The research introduces conceptual exploration of the intersection of AI and managerial cognitive processes as the starting point. In this initial bracket, we develop definitions of the constructs – "managerial mindset," "AI enhancement," and "leadership emergence." It was deemed essential to have a conceptual lens in order to provide theoretical clarity for interpretive purposes, and to ensure that management was not considered solely as an exercise in control but as an adaptive cognitive system in which humans and AI learn together.

The concepts and process we describe here address three interrelated variables:

- **Cognitive Adaptation** – How managers adapt their thinking in response to the insights offered by algorithm-driven approaches.
- **Ethical Awareness** – How leadership considers ethical values in practices for AI-informed decision-making.
- **Strategic Reorientation** – How AI-informed decision-making practices contribute to long-term resource planning.

The constructs serve as anchors for qualitative analysis and multidimensional data analysis.

4.2 Qualitative Inquiry

To examine the influence of AI on actual managerial behavior and decision-making, a qualitative approach was employed. Semi-structured interviews were conducted with managers in a variety of professional fields, including analytics, marketing, and operations, to understand how AI alters aspects of leadership and the formation of interdependent teams. A thematic analysis of the qualitative data demonstrated three clear patterns: first, a shift from control to coordination because AI can manage routine, repeatable tasks; second, an increasing requirement for interpretive judgment as managers engage in evaluating algorithmic outputs; and third, a shift in emotion: how managers engage with AI requires a level of trust, but that creates a fear of being replaced. The analysis suggests that it is not technology alone that ensures successful adoption of AI but rather an understanding of adaptability and awareness of ethics in management.

4.3 Quantitative Insights

A quantitative survey was conducted to assess trends in AI adoption, readiness for AI as organizational leadership, and adoption of digital competence among managers. Overall, a consistent pattern was evident that adoption of AI appears higher in structured fields characterized by data acquisition as compared to more creative disciplines. Three significant relationships were identified: first, there is a relationship between higher digital literacy and resulting confidence in managers; second, ethical training, scholarships, or courses would improve trust within the team, promoting engagement; and third, a commitment to continued learning or a culture of ongoing education predicted sustainable adoption of AI. Taken together, the findings suggest that it is human capability across the leadership spectrum and human culture that drives transformation—not technology itself.

4.4 Integrative and Interpretive Analysis

An interpretive synthesis was excavated from qualitative and quantitative findings to create a holistic and integrative lens for understanding managerial adaptation. The synthesizing narratives concerning AI adoption appears to function as a socio-technical process where creativity of human beings meet that of machines.

Table 2. Methodological Overview

Method	Purpose	Key Outcome
Conceptual Analysis	Frame AI–management relationship	Defined cognitive and ethical variables
Qualitative Inquiry	Capture managerial experiences	Revealed behavioral adaptation
Quantitative Study	Measure adoption trends	Linked literacy, ethics, and success
Interpretive Analysis	Integrate insights	Built a holistic AI–leadership view

4.5 Methodological Synthesis

Engaging with all methods has yielded a balanced understanding of how AI is changing managers' thinking, culture and ethics. The study illustrates that management research should consist of data-driven reasoning, situational judgement and ethical reflection to accurately explain what leadership means in an AI context.

5. Findings And Discussion

The results of different studies together indicate that Artificial Intelligence is more than a function; it is a cognitive ecosystem that reconfigures the whole experience of leading. The conversation that follows highlights four of the major themes which arose: cognitive augmentation, ethical recalibration, structural reorganization, and psychological reorganization.

5.1 Cognitive augmentation

AI adds to the human cognitive process through analytics that are assisted by a machine. Managers now have the ability to visualize predictive situations, synthesize insights from unstructured data, and make predictive assertions based on evidence. However, the augmentation in management means managers' identity shifts from decision-maker to decision curator.

For example, AI dashboards in logistics or marketing provide managers the opportunity to view patterns disengaged from the constraints of human perception—such as demand changes, changes in sentiment, or potential environmental threats. This process is still, and will always be, a human issue to explain “why the patterns matter.”

5.2 Ethical recalibration

AI has called into question traditional ethical constructs rooted in responsibility and intentionality. Who is responsible for algorithmic inequality or unintended consequences? Organizational managers must take on a new identity as ethical models and cultural transposers and engage the logic of AI systems to the cultural expectations iterated in ethical dilemmas. Issues of explainability, fair treatment of AI supports, and human presence in every iteration, scenario, or constituent of AI agency.

Many organizations, including large companies such as Google and Microsoft, have created AI ethics committees to establish private sector policies, yet any process will only be effective when it is supported by empowered managerial organizational leadership that can internalize the nuance of technologies.

5.3 Organizational Restructuring

AI reduces hierarchies and distributes decision-making. The role of analytics is extended into departments, shifting control from executives to teams guided by collective intelligence. New governance mechanisms are needed to address this breakdown of existing control systems. Real-time algorithmic monitoring will replace the manager's clock-and-cycle controls while wrapping them in a structured foresight in order to provide accountability for their organization.

As a result, managers must manage data cultures rather than employees. The sociotechnical design issue rests within the need to think about balancing efficiency with empathy.

5.4 Psychological Adaptation

The emotional aspect of leadership in response to AI cannot be overlooked. Employees can feel threatened they may be displaced or made redundant. In response, managers need to embody emotional intelligence to develop trust, helping staffs to understand AI as a co-partner in the work process not working against them. Training to facilitate the co-learning factor is a good program design - co-learning - humans and AI co-learn on a continual basis.

Table 3. AI–Managerial Skill Transformation

Skill	Traditional	AI-Augmented
Decision-Making	Intuitive & reactive	Predictive & proactive
Leadership	Directive	Collaborative
Creativity	Human ideation	Data-assisted innovation
Communication	Top-down	Interactive, visualized
Governance	Compliance-based	Ethical & continuous
Strategy	Fixed	Adaptive & real-time

6. Emerging Challenges in AI-Augmented Management

While AI enhances managerial cognition and reshapes organizational processes, it also introduces a set of critical challenges that leaders must anticipate. These challenges stem not only from technological limitations but also from ethical tensions, socio-cultural dynamics, and psychological boundaries. Understanding these complexities is essential for sustainable AI integration.

6.1 Algorithmic Bias and Decision Integrity

One of the foremost challenges in AI-enabled decision-making is algorithmic bias. AI systems inherit biases from the data on which they are trained, potentially leading to unfair or discriminatory outcomes in areas such as recruitment, credit scoring, and resource allocation. Managers must therefore develop competencies in detecting, auditing, and mitigating algorithmic distortions. The integrity of decisions will depend on leaders adopting transparent evaluation mechanisms and ensuring alignment with ethical and legal standards.

6.2 Managerial Overreliance on AI Systems

With AI providing increasingly accurate predictions, there is a risk of automation bias—where managers over-trust machine outputs without adequate scrutiny. This overreliance may weaken human judgment, reduce contextual awareness, and potentially lead to critical errors in high-stakes decisions. Organizations must preserve a balance between computational precision and human reasoning by promoting hybrid intelligence models where both perspectives are valued.

6.3 Trust, Culture, and Acceptance in Hybrid Teams

Introducing AI into team dynamics also affects trust and psychological safety. Employees may perceive AI as a threat to job security or as an opaque black-box mechanism influencing their work. Managers must actively cultivate a culture of transparency, communicating how AI systems function, how decisions are made, and how human oversight remains central. Building AI trustworthiness requires cultural readiness, empathy-driven leadership, and participatory deployment strategies that involve employees in the learning journey.

7.Practical Implications

The managerial shift from AI has far-reaching impacts on organizational design, talent development, and governance systems. There are three core paradigm shifts for AI to be integrated into leadership: re-skilling, re-structuring, and re-governing.

7.1. Re-skilling and Capability Development

Leaders of the future must possess a level of AI literacy that provides a working knowledge production methods, data ethics, and computational reasoning. Leaders do not need to become

programmers; however, they should be capable of being intelligent consumers of the technology. Corporate universities should offer courses in “Algorithmic Ethics,” “Data-Informed Decision-Making Infrastructure,” and “Psychological Techniques for Collaborating with AI.” Leadership programs should combine technical fluency with competencies in soft-desires.

7.2. Organizational Re-structure

Organizational structures must replace traditional hierarchy with flexible peer-to-peer networks where human and AI systems share the responsibility for workflow management. This decentralizing of the intelligence in the system will require a new way of thinking about accountability, transparency and interdisciplinary collaboration.

7.3. Ethical Re-governance and Cultural Re-governance

The deployment of AI can scale the impact of managerial ethics. An error in deployment of deployed algorithms can expand in scale, impacting thousands of stakeholders. The new ethical governance should become embedded not something added on. Standard practice would be AI audits, algorithmic transparency/communication reports exchanged with stakeholders at agreed upon intervals, and consensus communication structures for stakeholder dialogues. Organizations will also want to build an AI positive culture built on the perception that the technology is used to augment human dignity. Leaders will also serve as models for their organizations norms through openness and curiosity.

8. Policy Directions and Research Opportunities in AI-Driven Management

As AI becomes embedded in managerial work, organizations must adopt robust policies to guide responsible implementation. At the same time, scholars and practitioners must address emerging research gaps to understand how human–AI collaboration will evolve. This section outlines essential policy considerations and identifies future research trajectories.

8.1 Organizational Policy for Responsible AI Adoption

Responsible AI deployment requires comprehensive governance frameworks. Organizations must adopt policies for algorithmic audits, fairness assessments, and transparent

communication of decision criteria. Establishing cross-functional ethics committees, maintaining detailed documentation of AI model behavior, and integrating "explainability standards" into system design are critical. Policies should ensure that AI remains a tool for augmenting human dignity rather than replacing human agency.

8.2 Research Gaps in Human–AI Collaboration

Despite rapid advancements, several important research questions remain unanswered. There is a limited understanding of how human cognitive load changes in hybrid decision environments or how attention patterns shift when managers interact with continuous data streams. Further research is required to examine how trust is formed between humans and AI and how managerial sensemaking evolves when predictions become probabilistic rather than deterministic. Studies must also explore how diverse cultural settings alter human–AI collaboration outcomes.

8.3 Societal Implications for the Future Workforce

AI integration will reshape the future of work, influencing employment patterns, skill requirements, and socio-economic structures. Managers must anticipate these changes by designing inclusive reskilling programs and supporting workforce transitions. Societal implications include potential labor displacement, demand for multidisciplinary education, and ethical debates surrounding automation. Policy interventions—such as continuous professional development frameworks and public–private partnerships—will be essential to prepare organizations and communities for an AI-driven economy.

9. Future Managerial Identity

The convergence of intelligence, or the incorporation of human creativity, emotional sensitivity, and algorithmic logic, will greatly shape the future of management. In this section, we speculate about the manager of 2035 in terms of identity.

9.1. From Control to Orchestration

Management in the future will not be about control. Managers will orchestrate. Their authority will arise from credibility, empathy, and the willingness to incorporate multiple intelligences,

including the human, machine, and ecological intelligences. AI will analyze the environment and provide suggestions to the manager about what to do next, while the manager can make final decisions about what is ethical within their moral framework or the cultural context of the organization.

9.2. From Hierarchical to Ecosystemic

Instead of hierarchy, future leaders will support ecosystems in which decisions arise from collective intelligence. AI will manage the routine work and people will manage meaningful work. Managers will curate social-technical architectures of work processes that balance efficiency and equitable treatment of human participants.

9.3. From Strategy to Stewardship

A new identity for leadership is a steward - to ethically care for both human and nonhuman intelligences. Managers will be responsible for not only profit but also for the viability and sustainability of the human-AI ecosocial systems. This means they will need to advocate for ethical AI that also benefits the human people involved, as well as the non-human intelligences.

Table 5. Traits of the Future Manager

Trait	Description	Impact
Cognitive Adaptability	Shifting between human & machine logic	Agility in uncertainty
Ethical Reflexivity	Awareness of AI bias	Builds trust
Systems Thinking	Seeing interconnections	Enables sustainability
Learning Agility	Continuous reskilling	Long-term relevance
Moral Courage	Acting on ethics	Protects integrity

The future manager will not simply “manage.” The future manager will assume the role of mediating among multiple forms or kinds of intelligence to achieve balance, fairness, and creativity throughout the organization’s ecosystem of work. The role of a manager

10. Conclusion

AI is not just a technological tool—it is a transformational force reimagining management itself. It urges decision-makers to widen their cognitive capacity, ethical awareness, and systemic readiness. The synthesis of studies presented above identifies a clear pattern: managers who will be successful at incorporating AI are those with cognitive abilities to reason on data, ethical awareness, and cultural empathy. To be effective in an intelligent systems world, leaders will need to shift from control to collaboration. Managers will need to shift from being planners to interpretors, from decision-makers to sense-makers. They will have to make sure that machines are augmenting human capability, and not replacing it.

In this redefined space, the nature of managerial life will become a living system: responsive, ethical, and constantly learning. Organizations that create this duality of intelligence—human and artificial—will be successful in a sustainable way.

11.References

[1] American Library Association. (2005). *Imagination is crucial*. ALA Publications. *(Note: This is an example citation used in guidelines; not part of the research list.).*

[2] Bersin, J. (2025, October). *5 critical skills leaders need in the age of AI*. Harvard Business Review. https://hbr.org.

[3] Boston Consulting Group. (2025, June). *AI at work 2025: Momentum builds, but gaps remain*. https://www.bcg.com

[4] Cuc, L. D., Rad, D., Cilan, T. F., et al. (2025). From AI knowledge to AI usage intention in the managerial accounting profession. *Electronics, 14*(1107). https://doi.org/10.3390/electronics14051107

[5] Giraud, L., Zaher, A., Hernandez, S., & Al Ariss, A. (2021). Artificial intelligence and the evolution of managerial skills. In *I3E 2021 Proceedings* (pp. 1–12). Springer.

[6] Giraud, L., Zaher, A., Hernandez, S., & Al Ariss, A. (2022). The impacts of artificial intelligence on managerial skills. *Journal of Decision Systems, 31*(1), 1–20. https://doi.org/10.1080/12460125.2021.2003957

[7] Hossain, S., Fernando, M., & Akter, S. (2025). The influence of artificial intelligence-driven capabilities on responsible leadership: A future research agenda. *Journal of Management & Organization, 31*(5), 1–18. https://doi.org/10.1017/jmo.2024.40

[8] Huang, M.-H., & Rust, R. T. (2018). Artificial intelligence in service. *Journal of Service Research, 21*(2), 155–172. https://doi.org/10.1177/1094670517752459

[9] Katz, R. L. (1955). Skills of an effective administrator. *Harvard Business Review, 33*(1), 33–42.

[10] Kourkoumelis, A., Deirmentzoglou, G., Masouras, A., et al. (2024). Artificial intelligence and managerial decision-making in international business. In *ECIE 2024 International Conference Proceedings*.

[11] Makarius, E. E., Mukherjee, D., Fox, J., & Fox, A. (2020). Human–AI collaboration in the digital enterprise. *Harvard Business Review*. https://hbr.org

[12] Przegalińska, A., Ciechanowski, T., & Magnuski, P. (2025). Collaborative AI in the workplace: Enhancing human–machine cooperation. *Technological Forecasting & Social Change, 205*, Article 124678. https://doi.org/10.1016/j.techfore.2023.124678

[13] Sundström, A. (2024). AI in management control: Emergent forms, practices, and infrastructures. *Critical Perspectives on Accounting, 99*, Article 102701. https://doi.org/10.1016/j.cpa.2023.102701

[14] Xu, C., Wang, L., & Zhang, J. (2025). Factors affecting human–AI collaboration performances in organizations. *Sustainability, 17*(10), Article 4335. https://doi.org/10.3390/su17104335

[15] Zárate-Torres, R., Rey-Sarmiento, C. F., Acosta-Prado, J. C., et al. (2025). Influence of leadership on human–artificial intelligence collaboration. *Behavioural Sciences, 15*(7), Article 873. https://doi.org/10.3390/bs15070873