Call for Papers for a Special Issue of *Risk Analysis*
**"Bridging the Gap Between Artificial Intelligence and Risk Analysis:
Human–AI Teaming Perspectives"**

Society has witnessed significant advances in the adoption of artificial intelligence and, more recently, generative AI systems. These developments increasingly enable human–AI teams to perform activities that were previously carried out by humans or AI alone. This transformation across society and industry requires a deeper understanding of how risk science can inform, guide, and govern risk assessment and decision-making when AI systems are embedded within human workflows.

Generative AI introduces a new dimension to risk analysis, with implications for both risk description and risk quantification. It can support the development of novel methodologies and contribute to analytical rigor, while also introducing new forms of uncertainty, opacity, and interaction effects. Regardless of how AI is deployed, human–AI interaction is a central driver of both new capabilities and new sources of risk. At the same time, despite rapid advances in AI and generative AI, risk analysis for critical systems continues to rely heavily on expert judgment. A central challenge, therefore, is how to effectively connect generative AI capabilities with human judgment—particularly in novel or high-stakes systems for which empirical data are scarce and precision in risk assessment is essential.

This Special Issue focuses on human–AI teaming as the primary unit of analysis in risk assessment and risk-informed decision-making. Rather than examining how AI or machine learning can independently perform risk analysis, the emphasis is on how AI systems (including machine learning methods and large language models) function as collaborative agents within human-centered risk analysis processes, and on the implications of such teaming for risk science.

AI systems may be opaque or transparent depending on application context, time constraints, and design choices, with each offering distinct benefits and challenges. We therefore seek contributions that examine how risk can be characterized, communicated, validated, and governed when human judgment and AI systems jointly contribute to risk assessment outcomes.

**Scope and Focus**
Submissions should explicitly engage with human–AI interaction, division of labor, workflow integration, or accountability in risk analysis. Papers that focus solely on AI methods for risk assessment, or solely on risks posed by AI systems themselves, are out of scope unless they directly analyze implications for human–AI teaming in risk-analytic practice.

**Guiding Research Questions**
Indicative questions of interest include:
- How should risk be characterized when assessments are produced by human–AI teams rather than individuals or standalone models?
- What cognitive, behavioral, or organizational biases emerge from human–AI interaction, and how can they be mitigated?
- How must probabilistic risk assessment evolve when AI-generated insights support or shape expert judgment?
- How does AI advice influence individual and collective risk perception, trust, and acceptance of risk?
- What governance, validation, and assurance mechanisms are necessary to ensure robust and defensible AI-supported risk analysis?

**Application Domains**
Human–AI teaming in risk analysis is already occurring across many domains, including disaster response, medicine, transportation, engineering, systems monitoring, organizational management, insurance, and other high-stakes industries. Submissions may be methodological, empirical, conceptual, or applied, provided they clearly advance understanding of **human–AI teaming in risk analysis**.

**Paper Submission**
Submitted articles must not have been previously published or currently submitted for review or publication elsewhere. As an author, you are responsible for understanding and adhering to the submission guidelines at Risk Analysis.

Please read the guidelines before submitting your manuscript and go to the Risk Analysis submission portal at: **https://wiley.atyponrex.com/journal/RISA**

***Please note in your cover letter that your submission is intended for this special issue and select the Special Issue name in your submission steps.*** Each paper will go through the standard double-blind review process used for regular submissions to *Risk Analysis*. Accepted papers will be published online promptly.

**Important Dates**
Deadline for Manuscript Submission: **October 31, 2026**
First Reviews Expected:  January 31, 2027
Special Issue Finalized:  Summer 2027

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