60th Hawaii International Conference on System Sciences (HICSS-60)
5–8 January 2027, Hilton Waikoloa Village, Big Island, HI, USA

HICSS 60
SHIDLER COLLEGE OF BUSINESS

CALL FOR PAPERS

TECHNOLOGY AND STRATEGIC FORESIGHT FOR DECISION-MAKING MINITRACK

Organizations increasingly operate in environments marked by accelerated changes, uncertainty, and complexity. Strategic foresight offers structured ways to anticipate and shape future developments, while digital technologies – including AI, immersive environments, digital twins, and simulation tools – provide new opportunities to enhance these capabilities to improve decision-making.

This minitrack focuses on the two-way relationship between technology and strategic foresight in the context of decision-making. It examines how new technologies influence and enable foresight in decision-making contexts, and how foresight, in turn, shapes the development, governance, and adoption of technological innovations.

We welcome conceptual, empirical, methodological, and design science submissions that explore how the relationships between digital technologies and strategic foresight can impact organizational decision-making. Submissions should clearly outline their implications for decision-making strategies, processes, practices, or tools in organizations.

Crosscutting considerations at the intersection of technology and strategic foresight for decision-making can include epistemic and methodological limits in different decision-making contexts, ethical and normative considerations, human-machine collaboration, systems complexity, organizational learning, data and infrastructural issues, temporal dynamics, and the translation of anticipatory insights into actionable decisions.

The minitrack also offers the possibility for selected papers and/or authors to be invited to a Special Issue in **The Journal of Strategy & Innovation**. The journal is an excellent thematic fit, promoting interdisciplinary research on the management of technology, leadership, strategy, entrepreneurship, and governance in organizations navigating digital transformation.

If the theme of this minitrack resonates with your work or interests, we encourage you to consider submitting.

PAPER SUBMISSION DEADLINE:
15 June 2026 (11:59 PM HST)

Author instructions, submission process, and submissions: hicss.hawaii.edu/authors

TOPICS OF INTEREST INCLUDE, BUT ARE NOT LIMITED TO:

Technological innovations for strategic foresight and decision-making
- Digitally enabled environmental and horizon scanning, scenario-building, and evaluation of alternatives
- Decision and strategy simulations
- Development and application of, for example, AI, machine learning, large language models, and multi-agent systems for strategic foresight and decision-making
- Use of AI, digital twins, simulations, and immersive environments for strategic exploration
- Data driven modelling and insights for long-term strategic planning
- Human-AI collaboration for future oriented decision-making

Methods, approaches and methodological innovations
- New methods, techniques, and frameworks for integrating technology and strategic foresight
- Hybrid foresight methods combining quantitative and qualitative data
- Integration of human and artificial intelligence for decision-making
- Design science research on anticipatory decision-making
- Integration of multidisciplinary methodologies

Organizational practices and capabilities
- Case studies on using emerging technologies in strategic foresight and decision-making
- Impacts of organizational practices, capabilities and culture on the adoption of new technologies for decision-making
- Organizational responses to technologically enhanced foresight and decision-making
- The coevolution of organizational foresight capabilities and emerging technologies
- Collaborative foresight and sensemaking practices for improved decision-making
- Decision-making strategies for navigating digital transformation

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