

Proceedings of the 59th Hawaii International Conference on System Sciences

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UNIVERSITY OF HAWAII AT MĀNOA
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As a leading international forum, the Hawaii International Conference on System Sciences (HICSS) brings together a multidisciplinary community of scientists dedicated to advancing system sciences and their impact on business, government and society. Our focus areas include digital transformation and its impacts on the internet economy, knowledge innovation and entrepreneurship, health equity and social justice. HICSS is committed to fostering a diverse and inclusive environment that promotes dialogue across national and cultural, and disciplinary boundaries. We engage participants from diverse backgrounds and at various stages of their careers to enrich our discussions and enhance innovation in system sciences.

PREFACE

We are pleased to present the proceedings of the 59th Hawaii International Conference on System Sciences (HICSS-59). With an acceptance rate of 46.63%, the 2026 proceedings include 727 peer-reviewed papers, showcasing the scale, diversity, and ongoing vitality of the global systems science research community.

The submissions cover a wide range of topics within systems science. Several tracks saw particularly high participation, emphasizing important areas of ongoing and emerging scholarly interest.

- Organizational Systems and Technology (284 submissions)
- Decision Analytics and Service Science (245 submissions)
- Collaboration Systems and Technologies (185 submissions)
- Internet at Work and Play (142 submissions)
- Digital and Social Media (135 submissions)
- Information Technology in Healthcare (124 submissions)
- Knowledge Innovation and Entrepreneurial Systems (119 submissions)
- Digital Government (101 submissions)

Overall, the proceedings span over 7,500 pages and cover theoretical, conceptual, methodological, and applied aspects of information and communication technologies (ICT). Analyzing paper titles, abstracts, and minitrack themes highlights a consistent focus on artificial intelligence, digital systems, data, design, learning, knowledge, governance, trust, and human–technology interaction. These themes indicate a research landscape increasingly focused on AI-enabled systems, socio-technical integration, and responsible digital transformation across organizational, societal, and institutional settings.

Responding to ongoing global concerns about the impacts of ICT on vulnerable and underrepresented populations, HICSS continues the invited track on “Information Technology, Social Justice, and Marginalized Contexts” for the third year in a row. With 78 submissions, this track promotes research that critically examines bias, inequality, and unintended effects in digital systems, while advocating for inclusive, ethical, and equitable approaches to technology design and deployment.

HICSS-59 was held at the Hyatt Regency Maui Resort and Spa situated on the Ka’anapali Beach, welcoming more than 1,200 participants from over forty countries. In addition to paper sessions, the conference program featured 28 symposia, workshops, and tutorials (SWTs) exploring emerging topics and interdisciplinary perspectives. These sessions addressed, among others, the strategic and responsible use of artificial intelligence, collaborative and social robotics, data analytics and governance, cybersecurity and privacy, digital health, sustainability, and the future of work.

The program was further strengthened by two keynote addresses offering complementary views on current systems challenges. One keynote focused on applying systems science principles to the design, governance, and growth of agentic AI ecosystems in business settings. The other looked at the future of work in the age of AI, highlighting creativity, adaptability, and the changing relationship between humans and intelligent technologies. Together, these keynotes highlight HICSS’s long-

standing commitment to blending technological innovation with socio-technical insights and fostering an essential dialogue between industry and academia.

The success of HICSS-59 reflects the collective efforts of a large and dedicated community. We gratefully acknowledge:

- 2,252 authors contributing 727 papers
- 2,531 reviewers whose evaluations ensured scholarly rigor
- 727 minitrack chairs and 22 track chairs, which shaped the intellectual structure of the conference.
- Our sponsors, including the University of Hawai'i at Mānoa Shidler College of Business, Prospect Press, Leidos, MyEducator, INACT-LHS, the Association for Information Systems (AIS), and Eller MIS at the University of Arizona

We invite readers to engage deeply with the papers in these proceedings and to cite, extend, and build upon this work in their own research. Several journals associated with HICSS editors encourage the expansion of HICSS papers for fast-track consideration, including Data and Policy, Electronic Markets, European Journal of Information Systems, Foundations and Trends in Information Systems, Information Technology and Management, Journal of Business Analytics, Information, Technology & People, Journal of Information Systems, MIS Quarterly Executive, Group Decision and Negotiation, Journal of Electronic Commerce Research, and The DATA BASE for Advances in Information Systems, among others.

HICSS remains committed to offering a platform where rigorous methods, innovative system design, and forward-looking research come together. We anticipate ongoing collaboration with the global research community as systems science advances to address the challenges and opportunities of an increasingly digital world.

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