



CALL FOR PAPERS
GIS, SUSTAINABILITY, AND CLIMATE ACTION
LOCATION INTELLIGENCE TRACK
HICSS-57 (Jan 3-6, 2024)

Dear colleagues,

You are cordially invited to submit research papers to the GIS, SUSTAINABILITY, AND CLIMATE ACTION Mini-track, which is part of the Location Intelligence track at HICSS-57 (January 3-6, 2024, Oahu, Hawaii).

Mini-Track Description:

This mini-track provides a research forum aiming to discuss the varied facets of Geographic Information Systems (GIS) for sustainable development and climate action. The present time is characterized by emerging technologies, such as artificial intelligence (AI), the Internet of Things (IoT), cloud computing services, and advanced data analytics, which can improve economic conditions and reduce societal harms. Industry trends increasingly focus on sustainable business practices, responsiveness to climate change, and related social and environmental issues. GIS (or location analytics) is one of the key technologies of the present time; IoTs generate an enormous amount of data, a big portion of which is spatial (or location) data that can be stored in the Cloud and analyzed in real time for better decision-making and prediction. Location data and spatial features embedded in such emerging technologies often facilitate and accelerate digital innovations, e.g., technological advancements in connected vehicles, connected homes, smart cities, and Industrial IoTs, which are bound to create not just extensive opportunities for economic gains, but also a positive externality of ecological sustainability.

This mini-track solicits and invites completed research papers from both academics and practitioners across the following topics, but not limited to:

1. GIS and environmental sustainability,
2. GIS for climate action,
3. GIS for biodiversity,
4. GIS for addressing climate, water, energy, and agriculture as described by the United Nations SDGs,
5. GIS and sustainability in Industry 4.0
6. Societal issues with big spatial data,
7. Mobile location-based applications and services,
8. Socio-technical aspects of GIS involved with sustainable development,
9. Benefits of GIS and location analytics
10. Emerging areas of GIS and location analytics

The mini-track introduction and previously published papers can be found in HICSS Proceedings at:

2022 HICSS-55, <https://scholarspace.manoa.hawaii.edu/collections/5b2a80e6-e9ca-40da-a530-ef56a8cc0f54>

2023 HICSS-56, <https://scholarspace.manoa.hawaii.edu/collections/ba8b7c9f-535c-40a6-b776-fe314519e671>

Mini-Track Co-Chairs:

Namchul Shin, Pace University, nshin@pace.edu (Primary Contact)
Daniel Farkas, Pace University, dfarkas@pace.edu

****Important Dates****

April 15: Paper submission system reopened for HICSS-57

June 15: Papers due

August 17: Notification of Acceptance/Rejection

September 22: Deadline for Authors to Submit Final Manuscript for Publication

October 1: Deadline for at least one author of each paper to register for HICSS-57

**** Author Instructions****

HICSS accepts full papers only, abstract submissions are not accepted. Find instructions for authors at <https://hicss.hawaii.edu/authors/>.

Feel free to contact the mini-track co-chairs Namchul Shin or Dan Farkas if you have any questions.