

# 1<sup>st</sup> INTERNATIONAL SYMPOSIUM ON COLLABORATIVE INFORMATICS (ISCI 2025)

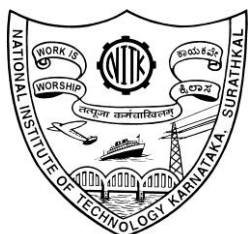
Faculty of Engineering  
Kagoshima University, JAPAN

March 5-7, 2025



Organised by

Graduate School of Science & Engineering  
Kagoshima University, Kagoshima, Japan



In association with

National Institute of Technology Karnataka  
Surathkal, Mangalore, India

## INTRODUCTION

With the objective of continuing the interaction initiated between the researchers during earlier joint symposia and academic collaboration between Kagoshima University and NITK, it is planned to organize the **1st International Symposium on Collaborative Informatics (ISCI 2025) during March 5-7, 2025**. The proposed symposium intends to provide a common platform for bringing together researchers from universities and industries in Japan, India, South Korea, China, Taiwan, Indonesia, Malasia, Vietnam and other countries for expanding academic and research collaboration. It is expected that the emerging technologies and scientific advancements in multiple themes, as listed below under broad areas, will be disseminated during the Symposium. Presentations will also feature new and innovative technologies in the relevant fields.

## BROAD AREAS

- **Mathematics and Informatics**, dealing with the mathematical foundation of information science (informatics), including type theory, mathematical logic, program theory, program verification, theory on algorithm, information theory, coding theory, cryptology, and so on.
- **Biological Cognitive Informatics**, dealing with the development of computing systems that work best with how humans process information, creating more seamless human-systems integration.
- **Engineering informatics**, dealing with the application of information technology (IT) knowledge, methods, models, and algorithms that support engineering and management activities including from customer requirements to design and production operations.
- **Intelligent Informatics**, dealing with tools and systems using biologically and linguistically motivated computational paradigms, such as artificial neural networks, fuzzy logic, evolutionary optimization, rough sets, data mining, Web intelligence etc
- **Modern Informatics**, dealing with e-surveillance, remote security surveillance, electronic security, artificial intelligence, internet of things.
- **Medical and Nursing Informatics**, dealing with automated patient and clinical data records, improved operations at health care facilities, simplified data collection, tracking, and analysis, and real-time access to patient information anytime, anywhere. This includes assembling and maintaining medical records from clinicians' notes, transcribing dictation from clinicians on vital patient information and overseeing the appropriate release of patient information, including the correct coding essential for billing and for patient care.
- **Agriculture informatics**, dealing with agricultural Information, engineering of agricultural Information systems and agricultural information processing, information communication technology (ICT) innovation in agriculture, food and the environment.
- **Aquaculture informatics**, dealing with the scientific applications of InformationTechnology in biological concepts that enhance the productivity and economic viability of aquaculture sectors.
- **Geo-informatics** dealing with development and application of information science infrastructure to address the problems of earth sciences such as geography, geodesy, cartography, photogrammetry, GPS, GIS, and related branches of science and engineering.
- **Applications of Artificial Intelligence and Machine Learning Techniques** in science, engineering, management, health sciences, social sciences and humanities.

## **PARTICIPATION**

Participants will contribute papers to the oral sessions. Subject experts, scientists, researchers, academicians and students from the partner universities and industries are expected to contribute papers on the relevant themes and areas.

## **VENUE**

Faculty of Engineering, Korimoto Campus, Kagoshima University.

## **IMPORTANT DATES**

Submission of Title & abstract of the paper: **September 3, 2024**

Acceptance intimation: **September 10, 2024**

Submission of full-length paper: **November 1, 2024**  
(January 15, 2025, for delegates from Japan)

*(The format for preparation of the full length paper will be informed along with abstract acceptance intimation)*

An abstract (about 150-200 words in length) should reach the Conveners (**Email: [isci2025@nitk.edu.in](mailto:isci2025@nitk.edu.in)** with a copy to **[isci2025@eng.kagoshima-u.ac.jp](mailto:isci2025@eng.kagoshima-u.ac.jp)**) no later than **September 3, 2024**. Abstracts must show the full title of the paper, name, designation, affiliation, e-mail address and full mailing address of all the authors. The abstract must clearly describe the content of the paper. One of the Authors must attend the symposium and present their paper. All papers accepted for presentation at the Symposium will be published in the Proceedings, available at the start of the Symposium.

## **Travel & ACCOMMODATION**

All international delegates are expected to make their own travel arrangements. Kagoshima airport is the nearest International Airport. From Kagoshima airport, airport limousine buses are available and it takes about 40 minutes to reach Kagoshima City. Alternatively, one can arrive in Tokyo or Osaka or Fukuoka and take the connecting domestic flights or Bullet train to Kagoshima City. Accommodation will be arranged in nearby hotels. **For delegates from abroad, accommodation during the symposium period (March 4-7) will be taken care by the organizers.**

## **REGISTRATION**

The registration fee is **80,000yen (70,000 yen for students)** for participants from abroad, which will cover accommodation charges, vegetarian lunch and dinner on symposium days, and field visit/technical tour charges. The registration fee has to be remitted online, on or before **November 1, 2024**. The bank details for remittance will be informed along with abstract acceptance letter. *(Considering the operational constraints, participants from outside Japan will be limited to 80).*

## **ABOUT KAGOSHIMA UNIVERSITY & KAGOSHIMA CITY**

Kagoshima University has a long history and rich tradition in education. The university's origins can be traced back to the Hangaku Zoshikan School, which was established in 1773. After the merger of several higher education institutions, including the Seventh Higher School established during the Meiji period (1868-1912), Kagoshima University was newly established in 1949 as a national university. Over the years, Kagoshima University has developed into one of the leading comprehensive universities in Japan, comprising of 9 faculties and 10 graduate schools, with approximately 11000 students studying in various undergraduate and graduate programs. Kagoshima University has partnerships with 146 universities in 34 countries and regions, and currently has approximately 300 international students. For more details, please refer to the university website: <https://www.kagoshima-u.ac.jp/en/>

Kagoshima University is located in Kagoshima City which is the capital city of Kagoshima Prefecture, Japan. Located at the southwestern tip of the island of Kyushu, Kagoshima is the largest city in the prefecture. It has been nicknamed the "Naples of the Eastern world" for its bay location, hot climate, and active volcano - Sakurajima. The majestic active volcano Sakurajima rises before Kagoshima City. The city flourished as the

castle town of Lord Shimadzu and currently has a population of approximately 600,000. It is continuing to prosper as a major urban area of South Kyushu. You may refer to the website for more information: <https://www.kagoshima-yokanavi.jp/en>; <https://www.kagoshima-kankou.com/for/areaguide/kagoshima-city>

## CONVENEORS (JAPAN)

### Prof Toshinobu YAMAGUCHI, Professor

Department of Ocean Civil Engineering, Kagoshima University

1-21-40, Korimoto, Kagoshima City 890-0065, Japan Tel & Fax: +81-99-285-8478

Email: yamaguch@oce.kagoshima-u.ac.jp

### Prof Tomonori SAITA, Associate Professor

Department of Ocean Civil Engineering, Kagoshima University

1-21-40, Korimoto, Kagoshima City 890-0065, Japan Tel & Fax: +81-99-285-8481

Email: saita@oce.kagoshima-u.ac.jp

## CONVENEORS (INDIA)

### Prof Katta Venkataramana, Professor (Retd.)

Department of Civil Engineering, National Institute of Technology Karnataka (NITK)

Surathkal, Srinivasnagar 575 025, Mangalore, India

Tel: +91-9448475875 Email: katta@nitk.edu.in

### Prof Raviraj H Mulangi, Associate Professor

Department of Civil Engineering, National Institute of Technology Karnataka (NITK)

Surathkal, Srinivasnagar 575 025, Mangalore, India

Tel: +91-9448861733 Email: ravirajmh@nitk.edu.in

**Email id for all conference related communications:** [isci2025@nitk.edu.in](mailto:isci2025@nitk.edu.in)  
[isci2025@eng.kagoshima-u.ac.jp](mailto:isci2025@eng.kagoshima-u.ac.jp)

## Program Schedule

March 5	Forenoon	Opening ceremony, Invited speeches
	Afternoon	Keynote lectures, tour of the campus, visits to laboratories
	Evening	Welcome dinner
March 6	Forenoon	Keynote lectures, Technical sessions
	Afternoon	Technical sessions
	Evening	Symposium dinner
March 7	Full day	Field visits / Technical tours

## Sample Photos of past collaborations and Joint Symposia between KU and NITK



