



SXIP Special International Symposium “Artificial Intelligence for Transformation to Sustainable Society”

Organized by: Yokohama National University and Anna University

Supported by: Embassy of India Tokyo, Japan

Date: Friday, August 30, 2024

Time: 13:00-16:50 JST / 9:30-13:20 IST

Format: Hybrid (in-person and online via Teams)

Venue for in-person attendees:

Room 101, Building 6, Lecture Hall, Faculty of Education, Yokohama National University

Objective:

The symposium aims to explore the critical role of artificial intelligence (AI) in developing sustainable and resilient solutions to tackle global challenges. By inviting researchers from Yokohama National University and leading Indian universities, the symposium will foster discussions that encourage global collaboration and knowledge exchange in AI's application towards a sustainable future.

Program:

Presiders: T. Arakawa and Y. Maeda, , Yokohama National University

13:00 **Opening remarks** T. Arakawa, *Yokohama National University*

Welcome address Y. D. Panwar, *Embassy of India Tokyo, Japan*

AI-1 Leveraging Large Language Models for Natural Language Processing and Addressing Related Issues

13:10–13:35 T. Mori, *Yokohama National University*

AI-2 Procreation of Trending News Using Deep Neural Networks

13:35–14:00 R. Baskaran, *Anna University*

AI-3 Human Sensing and Recognition Model Construction Using AI and Its Applications in Healthcare

14:00–14:25 C. Sugimoto, *Yokohama National University*

AI-4 AI for Smart Sensing Systems

14:25–14:50 K. Govardhan, *Vellore Institute of Technology*

AI-5 Leverage of AI for Weather and Climate Sciences

15:05–15:30 R. Yoshida, *Yokohama National University*

AI-6 Embryonic Quality Assessment using Advanced Deep Learning Architectures utilizing Microscopic Images of Blastocysts

15:30–15:55 P. Varalakshmi, *Anna University*

AI-7 Future Perspectives of AI Applications for Motion Data Analysis in Robotics and Mechatronics

15:55–16:20 T. Shimono, *Yokohama National University*

AI-8 Artificial Intelligence towards Manufacturing Sustainability

16:20–16:45 S. K. Mishra, *Indian Institute of Technology Kanpur*

16:45 **Closing remarks** R. Baskaran, *Anna University*

Registration:

Please register for participation at the following link:

<https://events.teams.microsoft.com/event/87f7bcf8-30e5-4698-aad9-1230f6e23a60@92adf237-4660-4948-8270-9faaf4857429>

Chairs:

T. Arakawa, *Yokohama National University*

Y. Maeda, *Yokohama National University*

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