

YOKOHAMA-SXIP 2025 Report

YOKOHAMA International Education Program for Leading Sustainability Transformation towards a Resilient Society with Industry-Government-Academia Network *(YOKOHAMA-SXIP) 2025 started by 4 students from Australia and 14 students from India arriving on August 26. With 18 Yokohama National University (YNU) students, the participants joined the program in 6 groups. The topics of this year's program was Carbon Neutral, Circular Economy and Nature Positive.

August 27, the first day was guidance and Themed Lecture 1 titled "Introductory to Circular Economy" by Prof. Yoshifumi Ikejima.



Themed Lecture 1

August 28, the second day was industry tour to Toshiba Energy Systems & Solutions Corporation and FUJIFILM Business Innovation Corporation for Group 1, 2, 3, Sanwa Sekisan Corporation and Ricoh Company, Ltd. for Group 4, 5, 6. All the companies kindly shared their activities related to Carbon Neutral, Circular Economy or Nature Positive.



Toshiba Energy Systems & Solutions Corporation



Ricoh Company, Ltd.



Fujifilm Business Innovation Corporation



Sanwa Sekisan Corporation

On August 29, Themed Lecture 2 titled “A techno-economic analysis of carbon neutral energy system for Japan with hydrogen technologies ” by Prof. Shigenori Mistushima, and the laboratory tour was held.

The participants enjoyed cultural tours planned by the YNU students on August 30.

On September 1, Themed Lecture 3 titled “Synergy and Trade-off between Nature Positive and Carbon Neutral” by Prof. Hiroyuki Matsuda and a lecture on Japanese culture by Prof. Kenji Hasegawa was held.



Themed Lecture 2



Themed Lecture 3

On September 2, YOKOHAMA-SXIP 2025 participants visited 4 companies in 2 routes. We appreciate the cooperation of JFE Engineering Corporation, Sumitomo Heavy Industries, Ltd, Okamura Corporation and FANCL Corporation for all their preparation and warm hospitality in welcoming our teams.



FANCL Corporation



Okamura Corporation

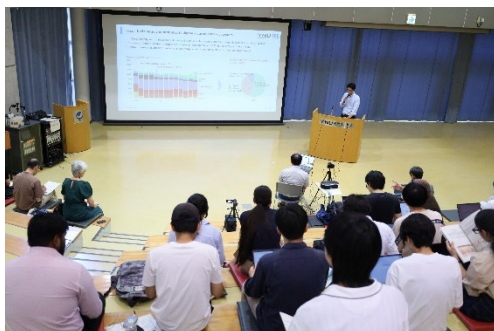


JFE Engineering Corporation



Sumitomo Heavy Industries, Ltd.

YNU International Symposium Day 1 was held on September 3. We would like to thank all the guest speakers, Dr. Mirela Malin from Griffith University, Dr. K. Govardhan from Vellore Institute of Technology, Assoc. Prof. Takashi Otsuki and Prof. Ken Motokura from YNU, for their kind contribution to this occasion.



Assoc. Prof. Takashi Otsuki



Dr. Mirela Malin



Dr. K. Govardhan



Prof. Ken Motokura

The lunch colloquium provided an opportunity to communicate with YNU students from various laboratories attending the symposium. We would like to express our deepest appreciation to YNU Connect for the kind support at the colloquium.

YOKOHAMA-SXIP 2025 participants actively asked questions and presented their research and findings at the poster session.



YNU International Symposium Day 2 was group exercise presentation session from the 6 student groups. Each group was exceptionally well-prepared, and every presentation clearly demonstrated deep and thoughtful consideration of the challenges proposed by the industries. As a result of the evaluation by our distinguished guests, Group 5 (Panjab University, the University of Newcastle and YNU members), was awarded the highest honor. All presentations were outstanding, making the judging process extremely difficult, and we truly appreciate the great effort made by the judges. We would like to express our deepest gratitude to Nomura Securities and the distinguished guests for their contribution to the presentation session



Group 1



Group 2



Group 3



Group 4



Group 5



Group 6



Best Presentation Award

The YOKOHAMA-SXIP 2025 program was completed by the Closing Ceremony and the students from partner universities departed on September 5.



We express our heartfelt gratitude to the support extended by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan Student Services Organization (JASSO) and all the participants who actively engaged themselves in the program.

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