

UTokyo-Cambridge Voices

• The 8th Cambridge-UTokyo Joint Symposium 2023 •

Navigating Contemporary Global Challenges

25-26 September 2023, Cambridge/Hybrid

The University of Tokyo and the University of Cambridge are committed to collaborating to navigate and tackle global challenges. Please join us in this symposium and discuss with academics and experts some of the biggest contemporary challenges, such as:

- How can we improve equality, diversity and inclusion in our societies and campuses?
- How can leading-edge engineering contribute to sustainability?
- How can we address security challenges while navigating the rise of AI?
- How should researchers engage safely in international research collaboration?

For more information, please visit:
<https://bit.ly/2023SymposiumInfo>

• Parallel Sessions •

09:30-12:10 UK/17:30-20:10 Japan
25 September

1. Equality, Diversity and Inclusion
2. Sustainability and Engineering
3. AI Trends, Opportunities and Threats

• Main Session •

09:00-12:10 UK/17:00-20:10 Japan
26 September

**Trusted Research and
International Research Collaboration**

Registration:

<https://bit.ly/2023SympRegistration>



Host: University of Cambridge, The University of Tokyo; Co-Host: Japan Society for the Promotion of Science

THE 8TH CAMBRIDGE-UTOKYO JOINT SYMPOSIUM 2023

NAVIGATING CONTEMPORARY GLOBAL CHALLENGES

PARALLEL SESSION 1 EQUALITY, DIVERSITY AND INCLUSION

Date: Monday 25 September 2023

Time: 09:30am-12:10pm UK / 17:30pm-20:10pm Japan

Location: Hybrid; The West Hub, JJ Thomson Avenue, Cambridge, CB3 0US

Moderator: **Dr Lauren Wilcox**, University of Cambridge Centre for Gender Studies

Following on the successful session on Gender Equality in the 7th Cambridge-UTokyo Symposium in 2022, in this session we will continue to explore the topic of Equality, Diversity and Inclusion. The University of Tokyo and the University of Cambridge are both committed to equality of opportunity and the promotion of an inclusive culture and the value of diversity. In this session, colleagues will introduce ED&I related research, activities and initiatives of the two universities, and will discuss how ED&I can be improved in our campuses and societies both from an academic perspective and from an administrative perspective. It aims to increase our understanding and awareness of ED&I and explore opportunities for engagement and collaboration.

09:30-10:00 UK 17:30-18:00 Japan	Dr Shinichiro Kumagaya	Research Center for Advanced Science and Technology, The University of Tokyo
10:00-10:30 UK 18:00-18:30 Japan	Ms Ndunge Kivuitu	Head of Equality, Diversity & Inclusion, University of Cambridge
10:30-10:40 UK 18:30-18:40 Japan		Break
10:40-11:10 UK 18:40-19:10 Japan	Prof Yuki Honda	Graduate School of Education, The University of Tokyo
11:10-11:40 UK 19:10-19:40 Japan	Prof Rachel Oliver	Department of Materials Science & Metallurgy, University of Cambridge
11:40-12:10 UK 19:40-20:10 Japan	Panel discussion	All speakers

Host: University of Cambridge, The University of Tokyo; Co-Host: Japan Society for the Promotion of Science

THE 8TH CAMBRIDGE-UTOKYO JOINT SYMPOSIUM 2023

NAVIGATING CONTEMPORARY GLOBAL CHALLENGES

PARALLEL SESSION 2 SUSTAINABILITY & ENGINEERING

Date: Monday 25 September 2023

Time: 09:30am-12:10pm UK / 17:30pm-20:10pm Japan

Location: Hybrid; The West Hub, JJ Thomson Avenue, Cambridge, CB3 0US

Moderator: Prof Yasushi Umeda, School of Engineering, The University of Tokyo

Sustainability is the world's most critical issue, and therefore needs to be discussed continuously at UTokyo-Cambridge Joint Symposia. This year, the key question of this session is "How can cutting-edge engineering contribute to sustainability?" We invite four speakers from the two institutes to cover a broad range of relevant topics from both social and technological viewpoints; these topics may include energy, robotics, manufacturing, circular economy, future prospect, and road mapping.

09:30-10:00 UK 17:30-18:00 Japan	Prof Masakazu Sugiyama	Research Center for Advanced Science and Technology, The University of Tokyo
10:00-10:30 UK 18:00-18:30 Japan	Prof Fumiya Iida	Department of Engineering, University of Cambridge
10:30-10:40 UK 18:30-18:40 Japan		Break
10:40-11:10 UK 18:40-19:10 Japan	Dr Yusuke Kishita	School of Engineering, The University of Tokyo
11:10-11:40 UK 19:10-19:40 Japan	Dr Robert Phaal	Institute for Manufacturing, University of Cambridge
11:40-12:10 UK 19:40-20:10 Japan	Panel discussion	All speakers

Host: University of Cambridge, The University of Tokyo; Co-Host: Japan Society for the Promotion of Science



THE 8TH CAMBRIDGE-UTOKYO JOINT SYMPOSIUM 2023

NAVIGATING CONTEMPORARY GLOBAL CHALLENGES

PARALLEL SESSION 3

AI TRENDS, OPPORTUNITIES AND THREATS

Date: Monday 25 September 2023

Time: 09:30am-12:10pm UK / 17:30pm-20:10pm Japan

Location: Hybrid; The West Hub, JJ Thomson Avenue, Cambridge, CB3 0US

Moderator: Prof Hideaki Shiroyama, Institute for Future Initiatives, The University of Tokyo

Reflecting the keen interest in the opportunities and threats AI poses, the UK will host the first global summit on AI regulation and Japan's AI strategy council has met for the first time. As the world scrambles to develop rules on AI regulation amidst rapid technological change, researchers from the Leverhulme Centre for the Future of Intelligence and Centre for Study of Existential Risk (Cambridge), Computer Science and Technology (Cambridge) and Graduate School of Public Policy (UTokyo) in this session will share their perspectives on AI from their respective research fields.

Prof Pietro Lio

Department of Computer Science and Technology,
University of Cambridge

Dr Giulio Corsi

Leverhulme Centre for the Future of Intelligence,
University of Cambridge

Prof Yee-Kuang Heng

Graduate School of Public Policy, The University of
Tokyo

Panel discussion

All speakers

Host: University of Cambridge, The University of Tokyo; Co-Host: Japan Society for the Promotion of Science



THE 8TH CAMBRIDGE-UTOKYO JOINT SYMPOSIUM 2023

NAVIGATING CONTEMPORARY GLOBAL CHALLENGES

MAIN SESSION

TRUSTED RESEARCH AND INTERNATIONAL RESEARCH COLLABORATION

Date: Tuesday 26 September 2023

Time: 09:00am-12:10pm UK / 17:00pm-20:10pm Japan

Location: Hybrid; Maxwell Centre, JJ Thomson Avenue, Cambridge, CB3 0HE

Moderator: Prof Frank Stajano, Department of Computer Science and Technology, University of Cambridge

International research collaboration is key to tackle and navigate contemporary global challenges, such as climate change, global health, sustainable development and so on. There is an increasing need to minimise risks associated with operating within a global research and innovation ecosystem while maximising the opportunities. In this session, keynote speakers will discuss trusted research, responsible research and innovation, opportunities for UK-Japan research collaboration, and so on.

09:00-09:20 UK 17:00-17:20 Japan	Opening remarks Prof Anne Ferguson-Smith , Pro-Vice-Chancellor for Research and International Partnerships, University of Cambridge Prof Kaori Hayashi , Executive Vice President, The University of Tokyo	
09:20-09:50 UK 17:20-17:50 Japan	Prof Sir Mark Welland	Director of the Maxwell Centre, Deputy Vice-Chancellor, University of Cambridge
09:50-10:20 UK 17:50-18:20 Japan	Prof Hideaki Shiroyama	Director, Public Administration, Institute for Future Initiatives, The University of Tokyo
10:20-10:40 UK 18:20-18:40 Japan		Break
10:40-11:10 UK 18:40-19:10 Japan	Dr Karen Salt	Deputy Director, R&I System Diversity and Security, UK Research and Innovation (UKRI)
11:10-11:40 UK 19:10-19:40 Japan	Prof Naoto Kobayashi	Director, London Office, Japan Society for the Promotion of Science (JSPS)
11:40-12:10 UK 19:40-20:10 Japan	Panel discussion	All speakers

Host: University of Cambridge, The University of Tokyo; Co-Host: Japan Society for the Promotion of Science