Agenda

TRENDS 4th Annual conference in partnership with the Research Center for Advanced Science and Technology - University of Tokyo

Sustainable Security in 2024 and Beyond
The Role of AI

University of Tokyo

18-19 September 2024

Introduction

The world faces complex security challenges, from ongoing regional conflicts to emerging threats like climate change and cyber warfare. Artificial Intelligence (AI) has the potential to revolutionize how these challenges are addressed. Recognizing the transformative potential of AI, this conference, jointly hosted by Research Center for Advanced Science and Technology (RCAST) of the University of Tokyo and TRENDS Research & Advisory, aims to bring together leading experts from the Middle East, Asia, and beyond to explore the opportunities and challenges of AI in building sustainable security into the future.

Timetable

18th September

Time	Event
8:30-9:15	Registration
9:15-9:30	Signing Ceremony: Agreement btween RCAST and TRENDS
9:30-10:30	Opening Remarks
10:30-11:30	Session 1
11:30-12:30	Session 2
12:30-14:00	Lunch Break
14:15-15:15	Session 3

19th September

Time	Event
10:00-11:00	Session 4
11:00 – 11:30	Coffee Break
11:30-12:30	Session 5
12:30-13:30	Session 6
13 :30-13 :45	Recommendations
13 :45-14 :00	Closing Remarks

Signing Ceremony

Agreement between RCAST and TRENDS

📅 **Day 1:**
18th September 2024

🕘 **9:15-9:30**

Dr. Mohammed Abdullah AL ALI
CEO
TRENDS Research & Advisory

Prof. Masakazu SUGIYAMA
Director of RCAST of the University
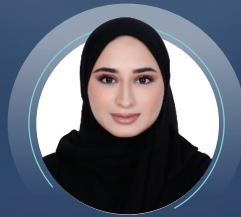of Tokyo

Session Descriptions & Participants

Day 1:
18ᵗʰ September 2024

9:30-10:30

Master of Conference:

Ms. Fatmah AL YAMMAHI

Researcher - Strategic Partnerships Department
TRENDS Research & Advisory

Opening Remarks

Prof. Masakazu SUGIYAMA

Director of Research Center for
Advanced Science and Technology
University of Tokyo

Prof. Hiroaki AIHARA

Executive Vice President
University of Tokyo

Dr. Mohammed Abdullah AL ALI

CEO
TRENDS Research & Advisory

H.E. Shihab Ahmed AL FAHEEM

Ambassador Extraordinary and
Plenipotentiary of the United Arab
Emirates to Japan

H.E. Omar Sultan AL OLAMA

Minister of State for Artificial
Intelligence, Digital Economy and
Remote Work Applications
United Arab Emirates

Mr. Hirofumi MIYAKE

Deputy Director General - Deputy Assistant
Minister of Middle Eastern and African
Affairs Ministry of Foreign Affairs
Japan

Mr. Takehiko MATSUO

Vice Minister for International Affairs
Ministry of EconomyTrade and Industry
Japan

H.E. Faisal Abdulaziz AL BANNAI

Secretary-General of the Advanced
Technology Research Council
United Arab Emirates

Session 1

AI Governance and International Relations: Visions and Real Steps towards the Future

This panel will examine the complexities of AI governance in the international arena, with a focus on the present and potential of international collaborations in this context. Discussions will center on the development of international AI governance frameworks, regulatory harmonization, and strategies to prevent AI-driven conflicts. The panel will also explore how countries can leverage their unique strengths to shape global AI norms and standards.

Day 1:
18th September 2024

10:30-11:30

Moderator

Prof. Tatsuoki KONO
Professor at Research Center for Advanced Science and Technology, Director of Initiative for Global Security and Energy Transition
University of Tokyo

Prof. Tatsuya HARADA
Professor at Research Center for Advanced Science and Technology
University of Tokyo

Dr. Kais HAMMAMI
Director of the Center of Strategic Foresight and AI
ICESCO

Dr. Ebtesam AL MAZROUEI
CEO and Founder of AIE3
Chairperson of UN AI for Good Impact Initiative
United Arab Emirates

Dr. Mohammed SOLIMAN
Director of Strategic Technologies and Cyber Security Program, Middle East Institute
Washington - United States of America

Session 2

AI Advancements and Sustainable Global Security - Identifying Multi-Sectoral Risks and Opportunities

This panel will delve into the rapidly evolving landscape of AI, examining recent breakthroughs in AI capabilities and their implications for global security. Discussions will delve into the potential of AI to address complex challenges such as climate change, disasters and pandemics, and resource scarcity, while also examining the risks associated with AI-driven misinformation, cyberattacks, and economic disruptions. The panel will explore how AI can be harnessed to promote sustainable development, peace and resilience in the face of emerging threats.

Day 1:
18ᵗʰ September 2024

11:30-12:30

Moderator

Mr. Awadh AL BREIKI
Senior Researcher - Head of Trends Global Sector
TRENDS Research & Advisory

Prof. Masashi SUGIYAMA
Professor of the Department of Complexity
Science and Engineering of Graduate School of
Frontier Sciences, The University of Tokyo
Director of RIKEN Center for Advanced
Intelligence Project

Bilal SAAB
Head of US-Middle East Practice
TRENDS Research & Advisory

Prof. Takehisa YAIRI
Professor at Research Center for Advanced
Science and Technology
University of Tokyo

Dr. Luigi MARTINO
Director of the Cyber Security Academy
Khalifa University - United Arab Emirates

12:30-14:00
Lunch Break

Session 3

AI and Energy Security: Emerging Strategies from Private Sector

This session will explore the opportunities and challenges associated with deploying AI globally for a secure and sustainable energy future. It will discuss how a wide range of companies and government agencies involved in the energy industry are considering strategies to use AI to optimize energy exploration, production, transport, and demand. It also discusses how the use of AI in the energy sector could transform existing Japan-UAE energy cooperation.

Day 1:
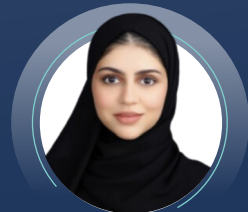**18th September 2024**

14:15-15:15

Moderator

Mr. Shuji HOSAKA
Senior Advisor for Research and former Director of the JIME Center of the Institute of Energy Economics of Japan

Prof. Hiroshi ESAKI
Professor at the Department of Electronic and Information Engineering of Graduate School of Information Science and Technology University of Tokyo

Ms. Mouza AL MARZOOQI
Researcher - Head of Economic Studies Section TRENDS Research & Advisory

Dr. Shigeto KONDO
Senior Researcher of the JIME Center of the Institute of Energy Economics of Japan

Dr. Abdulla AL ABBASI
Director of the Energy and Environment Program Derasat center - Kingdom of Bahrain

End of Day 1

Session 4

The Geopolitical and Research Implications of AI in Warfare

This session will explore the geopolitical and ethical challenges of the use of AI in war and war analysis. The discussion will explore the nature of dual use of AI technologies as well as international regulations and frameworks to govern the use of AI in armed conflict. Also discussed here is the digital analysis of visual data on war and the implications of new methods for war and war research.

Day 2:
19th September 2024

10:00-11:00

Moderator

Prof. Heigo SATO
Professor at Faculty of International Studies
Takushoku University

Prof. Hidenori WATANABE
Professor at the University of Tokyo Interfaculty
Initiative in Information Studies

Mr. Yu KOIZUMI
Associate Professor at Research Center
for Advanced Science and Technology
The University of Tokyo

Prof. Moses KHANYILE
Director of the Defense Artificial Intelligence
Unit at the Faculty of Military Science
Stellenbosch University - South Africa

Dr. Patrick BELL
Assistant Professor, National Defense University
in the United States

Mr. Manoj HARJANI
Research Fellow and Coordinator in the Military
Transformations Programme , Institute of Defence
and Strategic Studies at the S. Rajaratnam School
of International Studies
Nanyang Technological University - Singapore

11:00-11:30
Coffe Break

Session 5

AI and the Reorganization of the Body-Machine-Society Relationship

This panel explores how the relationship between the human body, society and opportunity can be reconfigured by AI and network technologies. 'Body Augmentation Engineering' aims to develop technologies that enable a novel form of embodiment and quality of life using virtual/augmented reality, robotics, and terahertz waves. It will discuss the potential for 'Body Augmentation Engineering' to address social issues such as hyperaging and well-being challenges.

Day 2:
19ᵗʰ September 2024

11:30-12:30

Moderator

Ms. Sumaya Al HADHRAMI
Senior Researcher - Deputy Head of Trends
Global Sector
TRENDS Research & Advisory

Prof. Masahiko INAMI
Professor at Research Center for Advanced Science
and Technology
University of Tokyo

Dr. Yasuaki MONNAI
Associate Professor at Research Center
for Advanced Science and Technology
University of Tokyo

Dr. Ernesto DAMIANI
Director, Khalifa University Center for Cyber
Physical Systems (C2PS), Professor, Director of
Information Security Center
Electrical and Computer Engineering & EBTIC

Prof. Abdulmotaleb EL SADDIK
Adjunct Professor of Human Computer Interaction
Mohamed bin Zayed University of Artificial Intelligence
United Arab Emirates

Ms. Amina AL MARRI
Researcher - Autonomous Robotics Research Center
Technology Innovation Institute
United Arab Emirates

Session 6

AI Development and Political Governance: Analyzing and Responding to Arising Problems

The relationship between the development of AI and political governance has become the subject of various debates. However, this includes issues that are an extension of an age-old theme from political science. Specifically, technocrats and democratic governance, and people's trust in functionalist governance. It will be examined whether these are the same issues as in the past but quantitatively different, or whether they are really qualitatively new issues as well.

Day 2:
19th September 2024

12:30-13:30

Moderator

Prof. Satoshi IKEUCHI
Professor of Religion and Global Security of Research Center for Advanced Science and Technology and Founding Chair of RCAST Open Laboratory for Emergence Strategies University of Tokyo

Ms. Jimena VIVEROS
Chief of Staff and Head Legal Advisor to Justice Dr. Loretta Ortiz Ahlf at the Mexican Supreme Court of Justice and Member of the UN High Level Advisory Board on AI

Prof. Mazen HASSAN
Professor in the faculty of Economics and Political Science Department of Political Science Cairo University

Prof. Ryo NAKAI
Professor at Research Center for Advanced Science and Technology The University of Tokyo

Mrs. Noor AL MAZROUEI
Researcher - Head of the AI Program TRENDS Research & Advisory

Prof. Preslav NAKOV
Department Chair and Professor of Natural Language Processing Mohamed bin Zayed University of Artificial Intelligence United Arab Emirates

Dr. Mohammed SOLIMAN
Director of Strategic Technologies and Cyber Security Program, Middle East Institute Washington - United States of America

Recommendations & Closing Remarks
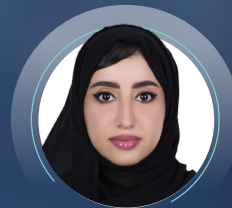
📅 **Day 2:**
19th September 2024

🕐 **13:30- 13:45**

Recommendations

Prof. Satoshi IKEUCHI

Professor of Religion and Global Security of Research Center
for Advanced Science and Technology and Founding Chair of
RCAST Open Laboratory for Emergence Strategies
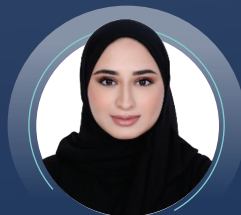University of Tokyo

Ms. Sumaya AL HADHRAMI

Senior Researcher - Deputy Head of Trends
Global Sector
TRENDS Research & Advisory

🕐 **13:45- 14:00**

Closing Remarks

Ms. Fatmah AL YAMMAHI

Researche - Strategic Partnerships Department
TRENDS Research & Advisory

🕐 **End of Conference**