



**21st Century Technologies, Geopolitics, and the US-Japan Alliance:
Recognizing Game-Changing Potential**

Pacific Forum | U.S. Embassy, Tokyo | Center for Rule-Making Strategies
Keio University | Okinawa Institute of Science and Technology

VIRTUAL September 28, 2020 - October 22, 2020

Agenda

Closed-door sessions (Sept. 28, 2020 – Oct. 14, 2020)

All times listed in US Eastern Time

Monday, Sept. 28, 2020

8:00 PM - **Opening Session: Scoping “Game-changing technologies” & Geopolitics**

9:15 PM This session explores the concept of game-changing technologies and their place in national, regional, and global strategies. What are clear examples of game-changing technologies for geopolitics, historically and today? Which technologies enable “game-changing technologies”? What is the relationship between “foundational,” “emerging,” and “critical” technologies? Is the nature or pace of today’s game-changing technologies unique? Where do game-changing technologies fit in the domestic and strategic policies of the United States, Japan, and other countries in the region? What is the impact of these technologies on global supply chains? What are the key “game-changing technology” sectors for national and international security in the United States and Japan, and what are the relative strengths and weaknesses of each country in these fields?

Speakers:

[Bob Girrier](#) (President, Pacific Forum)

[Martijn Rasser](#) (Senior Fellow, Center for a New American Security)

[Akira Igata](#) (Executive Director, Center for Rule-making Strategies)

The following technical sessions will explore the following questions in the context of the United States, Japan, and the US-Japan alliance:

Who makes the technologies in this field? What countries and companies are involved in the supply chain? Where do the United States and Japan stand in the global market for these technologies? What risks do these technologies pose to national and international security? What potential benefits to security do these technologies offer? What are the relevant national and international policies on these technologies? Are the civilian and the military sector well integrated in this field? Are investment/import or export controls being applied to these technologies? Are the United States and Japan currently cooperating on these technologies in the civilian or military sectors?

Wednesday, Sept. 30, 2020

8:00 PM - **Foundational Technology Session: Cybersecurity, AI, and Data Management**

9:15 PM

Speakers:

[Elsa Kania](#) (Adjunct Senior Fellow, Technology and National Security Program, Center for a New America Security)

[Mihoko Matsubara](#) (Chief Cybersecurity Strategist, NTT Corporation)

Kazuya Saginawa (CEO, DataGateway)

9:25 PM - **Young Leaders Roundtable 1**

10:10 PM

Hosted by:

[Ariel Stenek](#) (Director, Young Leaders Program, Pacific Forum)

[Mihoko Matsubara](#) (Chief Cybersecurity Strategist, NTT Corporation)

Monday, Oct. 5, 2020

8:00 PM - **Game-changing Technology Session 1: Robotics**

9:00 PM

Speakers:

Kelley Saylor (Analyst in Advanced Technology and Global Security, U.S. Congressional Research Service)

[Yoshiyuki Sankai](#) (Professor, Director, Research Director, R&D Center for Frontiers of MIRAI in Policy and Technology, Center for Cybernetics Research, University of Tsukuba)

9:00 PM - **Coffee Break**

9:10 PM

9:10 PM - **Game-changing Technology Session 1 Part 2: Semiconductors, 3D-printing, and Supply Chains**

10:30 PM

[Willem Thorbecke](#) (RIETI)

Keisuke Inoue (Digital Fabrication Association)

[Ryota Sekine](#) (Cofounder, Cubii)

Wednesday, Oct. 7, 2020

8:00 PM - **Game-changing Technology Session 2: Development of Quantum Technology**

9:15 PM

Speakers:

[Edward Parker](#) (Associate Physical Scientist, RAND Corporation)

[Hiroki Takahashi](#) (Assistant Professor, Okinawa Institute of Science and Technology Graduate University)

[Takahiro Tsuchiya](#) (Associate Professor, Kyoto University of Advanced Science)

9:25 PM - **Young Leaders Roundtable 2**
10:10 PM Hosted by:
[Ariel Stenek](#) (Director, Young Leaders Program, Pacific Forum)
[Edward Parker](#) (Associate Physical Scientist, RAND Corporation)

Monday, Oct. 12, 2020

8:00 PM - **Game-changing Technology Session 3: Emerging Biotechnology, Cellular**
9:15 PM **Agriculture, and Biomedical Innovation and Policies**
Speakers:
[Margaret Kosal](#) (Professor, Sam Nunn School of International Affairs, Georgia Institute of Technology)
[Yuki Hanyu](#) (CEO, IntegriCulture Inc.)
[Kathryn Ibata-Arens](#) (Vincent de Paul Professor of Political Science (Political Economy), DePaul University)

Wednesday, Oct. 14, 2020

8:00 PM - **Closing Session: Areas for Cooperation and Policy Recommendations**
9:15 PM This session reviews key themes from the meeting and draws out policy recommendations for the United States and Japan on game-changing technologies. Having covered several different “game-changing technologies,” do some technologies “change the game” more than others? Do some foundational or game-changing technologies require greater levels of policy attention or coordination? In which areas might the United States and Japan enhance their collaboration? What is the role of the US-Japan alliance in managing these technologies? How do game-changing technologies fit into the “Free and Open Indo-Pacific”?
Speakers:
Daisuke Sato (Director, Economic Security Policy Division, Ministry of Foreign Affairs, Japan)
[Jim Schoff](#) (Senior Fellow, Carnegie Endowment for International Peace)
[Yuka Koshino](#) (Research Fellow for Japanese Security and Defence Policy, International Institute for Strategic Studies)

9:25 PM - **Young Leaders Panel**
10:40 PM Pacific Forum Young Leaders will present working papers addressing game-changing technologies and its implications for US and Japanese national security, and regional security broadly. Presentations will receive comments from a senior expert and will be followed by a moderated Q&A with the audience.
Speakers:
Erick Nielson Javier (Defense Analyst, Armed Forces of the Philippines): "Keeping the Last Frontier Free and Open: Harnessing Space for Regional Security via US-Japan Space Cooperation"

Mariko Togashi (MA Candidate, Johns Hopkins University School of Advanced International Studies): "Leveraging Technology Companies in Japan's Economic Security Policy"

Mason Ventura (Independent Research Consultant): "Unifying Small-Scale UAV Regulations: Trilateral Coordination to Combat UAV Diversion and Terrorism"

Public Panels (Oct. 20, 2020 – Oct. 23, 2020)

Monday, Oct. 19, 2020

10:30 PM - **Public Session 1: Cybersecurity for Autonomous Vehicles** (with Nagoya Chamber of Commerce and Industry)

11:45 PM *** Simultaneous interpretation (English-Japanese) ***

This public panel is focused on bringing insights on foundational and game-changing technologies to an industry audience. It will explore cybersecurity in three contexts: within the Japanese automobile industry, for autonomous and connected vehicles, and in relation to flying drones. Providing insights from industry, engineering, and academia in Japan and the United States, it promises to be a dynamic session on critical topics for our future. Participants will leave with a better understanding of US and Japanese thinking on autonomous vehicles, including their legal and security challenges as well as benefits.

Speakers:

[Mihoko Matsubara](#) (Chief Cybersecurity Strategist, NTT Corporation)

Souichirou Kozuka (Professor, Gakushuin University)

Simon Saito Nielsen (Former CEO, CTRL Me Robotics)

11:45 PM - **Informal networking session**

12:15 AM

Wednesday, Oct. 21, 2020

8:00 PM - **Public Session 2: Cybersecurity and Undersea Cables** (with Keio University and the Okinawa Institute of Science and Technology)

9:15 PM *** Simultaneous interpretation (English-Japanese) ***

This public panel is focused on bringing insights on key foundational technologies to an undergraduate and graduate student audience. It will explore cybersecurity from US and Japanese perspectives, including issues of trust and transparency and regional cooperation; as well as the geopolitics of submarine cables. Providing insights from both industry and academia in Japan and the United States, it promises to be an engaging session on critical topics for our shared future. Participants will leave with a better understanding of US and Japanese thinking on cybersecurity and submarine cables, including security challenges and benefits.

Speakers:

[Christina Ayiotis](#) (Cyber Strategist & Consultant)

[Mihoko Matsubara](#) (Chief Cybersecurity Strategist, NTT Corporation)

[Motohiro Tsuchiya](#) (Professor, Keio University)

9:25 PM - **Pacific Forum Young Leaders Open House**
10:10 PM Pacific Forum Young Leaders Program Director Ariel Stenek will lead an informational session about the program and its offerings, as well as answer questions. Attendees including students from Japanese universities, current members of the Young Leaders network, and Young Leaders Program alumni will be invited to join breakout rooms where they can connect virtually, share research interests, and discuss the day's most pressing topics.

Thursday, Oct. 22, 2020

9:00 PM - **Public Session 3: US & Japanese Economic Security Strategies and**
10:15 PM **“Game-changing” Technologies**
*** Simultaneous interpretation (English-Japanese) ***
At this public symposium, three economic security experts on Japan, the United States, and China will explore international trends on "game-changing" technologies and their impact on the economic security strategies of Japan and the United States. We will also consider how major countries in the Indo-Pacific region such as Japan, the United States, and China are incorporating various advanced technologies into their strategies and policies. We will also discuss the role of the US-Japan alliance in managing these technologies.

Speakers:

[Akira Igata](#) (Executive Director, Center for Rule-making Strategies)

[Elsa Kania](#) (Adjunct Senior Fellow, Technology and National Security Program, Center for a New America Security)

[Takahiro Tsuchiya](#) (Associate Professor, Kyoto University of Advanced Science)

10:15 PM - **Informal networking session**
10:45 PM