



SUSTAINABLE PRODUCTIVITY SUMMIT

2018 **10. July**

TUES

BY INVITATION ONLY

TOKYO, JAPAN

The Summit ►

Technological changes and disruptions are occurring daily in every sphere. Old industries shrink or disappear, while new ones alter the social, economic, environmental, and political landscape. Today, technologies are combining new ways of improving business performance and productivity, offering benefits as well as challenges to which the public and private sectors must respond. Business leaders must update organizational strategies in the face of continual evolution, ensure that their organizations always look ahead, and use technologies to improve performance. They must also plan for a range of scenarios, abandon assumptions about where competition and risk could arise, and look beyond long-established models.

All organizations should be able to act fast, make informed decisions now, and fine-tune strategies or policies as necessary. It is therefore critical for leaders to understand which technologies will alter their circumstances and prepare accordingly. The APO Sustainable Productivity Summit will orient member countries on “the next big thing” and technologies shaping the future of productivity while creating maximum benefits for their economies.

Organized by



Supported by

INTERNATIONAL

World Bank Group
Asian Development Bank
Centre on Integrated Rural Development for Asia and the Pacific
Pan African Productivity Association
Centro de Ciencia y Tecnología de Antioquia
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JAPAN

Ministry of Foreign Affairs
Ministry of Agriculture, Forestry and Fisheries
Ministry of Economy, Trade and Industry
Japan Productivity Center
Japan International Cooperation Agency
Japan External Trade Organization
The Japan Foundation
Japan Association of Corporate Executives
Japan Business Federation
Japan Chamber of Commerce and Industry
The Association for Overseas Technical Cooperation and Sustainable Partnerships

Venue

Imperial Hotel, Tokyo

Contact

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Program Schedule

09:00–10:15 **Opening Session**

09:00–09:05 Welcome Remarks

09:05–09:15 Opening Remarks

09:15–10:15 Keynote Address ▶ **Government 2025**

A peek into a future driven by exponential technology changes and the future of work; and Factors affecting the context in which governments operate and serve citizens in the future.

10:15–10:30 **Networking break**

10:30–12:30 **Plenary Session 1**

10:30–11:30 Presentation ▶ **Future Transportation**

Impact of emerging technologies such as the TransPod Hyperloop and other tube transport on the future of transportation in connecting and changing mobility.

11:30–12:30 Presentation ▶ **Future Cashless Society**

Key factors in the development of a cashless society: Roles of policies, businesses, consumers, institutions, and technologies; How the cashless system will influence people's lives in the future; and Implications of cashless systems for APO member countries.

12:30–13:30 **Lunch**

13:30–15:30 **Plenary Session 2**

13:30–14:30 Presentation ▶ **Future Food**

Reaching the limits of conventional production; Getting more from less by increasing baseline efficiencies and capturing more value in the supply chain; Alternative options to conventional crops and practices; and Trends, opportunities, and challenges of future food.

14:30–15:30 Presentation ▶ **Future of Sustainable Smart Towns and Smart Homes**

Aligned with the UN Sustainable Development Goals, the concept of smart towns and homes in the future will incorporate energy efficiency, mobility, and advanced technologies, impacting the business models of tomorrow.

15:30–15:45 **Networking break**

15:45–17:00 **Panel Discussion**

▶ **Shaping the impossible to achieving Sustainable Productivity**

17:00–17:10 **Closing Remarks**

Dr. Santhi Kanoktanaporn

Secretary-General
Asian Productivity Organization

Dr. Minoru Masujima

Deputy Director-General
International Cooperation Bureau
Ministry of Foreign Affairs Government of Japan

William D. Eggers

Executive Director
Deloitte Center for Government Insights, USA

Ryan Janzen

Co-Founder and Chief Technology Officer
TransPod Inc., Canada

Dr. Niklas Arvidsson

Associate Professor
Department of Industrial Economics
and Management
KTH Royal Institute of Technology, Sweden

Andrew W. Brentano

Chief Executive Officer
Tiny Farms Inc., USA

Takeshi Arakawa

Manager, SST Management Team
CRE Business Development Group
Business Solution Division
Panasonic Corporation, Japan

Panelists: William D. Eggers, Ryan Janzen,
Dr. Niklas Arvidsson, Andrew W. Brentano,
Takeshi Arakawa
Moderator: Devadas Krishnadas

Dr. Phanit Laosirirat

APO First Vice Chair,
APO Alternate Director for Thailand,
Executive Director, Thailand Productivity Institute

Speakers



William D. Eggers

Executive Director
Deloitte Center for
Government Insights, USA

William Eggers is Executive Director of Deloitte's Center for Government Insights, where he is responsible for the firm's public-sector thought leadership. The author of numerous publications, his latest book is *Delivering on Digital: The Innovators and Technologies that Are Transforming Government* (Deloitte University Press, 2016). Eggers coined the term "Government 2.0" in a book by the same name. His commentaries have appeared in dozens of major media outlets including the *New York Times*, *Wall Street Journal*, and *Chicago Tribune*. In addition, he is a former appointee to the US Office of Management and Budget's Performance Measurement Advisory Council and former Director of the Texas Performance Review/e-Texas initiative that was charged with developing recommendations to save tax dollars, increase the use of technology, improve customer service, and inject competition into state services.



Ryan Janzen

Co-Founder and
Chief Technology Officer
TransPod Inc., Canada

Ryan Janzen is a scientist, engineering researcher, and entrepreneur. Featured on the Discovery Channel, *Wired* magazine, and *Through the Wormhole*, Janzen's innovations applying electrical engineering and physics principles to diverse fields have been featured in 110+ international lectures, media interviews, and scientific publications. His work has led to entirely new fields of research, including extramissive optics, veillance flux physics, swarm modulation, and the world's first aircraft power line channel research. His innovations have led to advances in acoustics, aerospace electronics, mathematics, and vehicle propulsion. Janzen is co-founder and CTO of TransPod Inc., a firm devoted to designing the next generation of ultra-high-speed aerospace vehicles to move passengers and cargo between cities at over 1,000 km/h while reducing fossil fuel use. Janzen is the chief architect of the multibillion-dollar future system: transportation infrastructure, operations, aerodynamics, propulsion, and avionics. His full CV is available online at <http://ryanjanzen.ca/cv/>.



Dr. Niklas Arvidsson

Associate Professor
Department of Industrial
Economics and Management
KTH Royal Institute of
Technology, Sweden

Dr. Niklas Arvidsson received an MBA and a PhD in international business from the Stockholm School of Economics, Sweden, and has nearly two decades of experience in research and higher education in the areas of innovation and management. Dr. Arvidsson currently serves as Associate Professor, Department of Industrial Economics and Management, at the KTH Royal Institute of Technology in Stockholm. His areas of expertise include innovation, leadership, strategic management, and organizational learning, and his research interests include the cashless society and the future of payment systems. Over the last decade, Dr. Arvidsson has been focusing on innovations in payment methods and trends in consumer behaviors, with close observations and analyses of the dynamics among consumers, businesses, the public sector, and technology providers. He has been widely interviewed by international media outlets on his findings from Sweders' experience in moving toward a cashless society; he also published numerous research results related to innovation and knowledge management.



Andrew W. Brentano

Chief Executive Officer
Tiny Farms Inc., USA

Andrew W. Brentano is a co-founder and the CEO of Tiny Farms Inc., California, USA. He has been with the company since its founding in 2012, where he is responsible for overseeing and coordinating R&D projects including development of insect feed formulations and morphologies, automated water distribution, and breeding process optimization. He has managed rearing operations for the last five years, having raised numerous species on a lab scale and is currently rearing crickets (*Gryllobates sigillatus*) on a commercial scale. Earlier, as an owner, designer, and developer, Brentano co-managed a boutique web development firm, Artichoke Jalapeno Design, for small businesses. He also led the design and implementation of mission-critical automated customer service systems for small businesses and Fortune 500 companies at Smart Action Company, the commercial spinoff of AI research firm Adaptive A.I. Inc. Brentano holds a degree in Cognitive Systems from the University of British Columbia, Vancouver, Canada.

Speakers



Takeshi Arakawa

Manager, SST Management Team
CRE Business Development Group
Business Solution Division
Panasonic Corporation, Japan

Takeshi Arakawa is the manager of the Sustainable Smart Town (SST) Management Team, CRE Business Development Group, Business Solution Division, Panasonic Corporation, in charge of the Fujisawa SST project in Kanagawa prefecture, Japan. His previous experience includes product development research on low-pressure gas discharge lamp devices at Matsushita Electric Industrial Co., Ltd. In the Lighting Manufacturing Business Unit of Panasonic, Arakawa worked on product development of backlight units for LCD TVs, business strategy and corporate planning for restructuring, industrial device development such as LED sources, and strategy for lighting up business. Among assignments in the Panasonic Eco Solutions Division, Arakawa planned B2B collaborations through town planning. Currently, he is responsible for the Fujisawa SST and Tsunashima SST projects. He holds an MA in Engineering from Kansai University, Japan, and is a recipient of the Incentive Award of the Illuminating Engineering Institute of Japan.



Devadas Krishnadas

CEO
Future-Moves Group
Singapore

Devadas Krishnadas, CEO and founder of the Future-Moves Group, played a pivotal role in fiscal and social policy formulation in Singapore, leading long-term planning, budget coordination, and strategic thinking efforts. He is frequently cited in international publications on strategy and foresight.

Devadas is a graduate of the Oxford University Scenario Programme and General Management Programme of Judge Business School, University of Cambridge, with a Master's in Arts in Law and Diplomacy from Tufts University, Boston, USA, and a Bachelor of Arts (Honours) from the University of Sydney, Australia. In 2003, he was a Fulbright Scholarship recipient.

In 2014, Devadas published *Sensing Singapore: Reflections in a Time of Change*, followed by *FUSE: Foresight-Driven Understanding, Strategy and Execution* in 2015. FUSE methodology incorporates foresight, insighting, strategy formulation, and execution allowing organizations to understand and manage reality in preparation for the future. *The Seduction of the Simple*, published in 2016, examines Singapore's environment and offers practical solutions to the challenges ahead.

About the APO

The Asian Productivity Organization (APO) is an intergovernmental organization committed to improving productivity in the Asia-Pacific region. Established in 1961, the APO contributes to the sustainable socioeconomic development of the region through policy advisory services, acting as a think tank, and undertaking smart initiatives in the industry, agriculture, service, and public sectors. The APO is shaping the future of the region by assisting member economies in formulating national strategies for enhanced productivity and through a range of institutional capacity-building efforts, including research and centers of excellence in member countries.