



# UQ Japan Day

## UQ-Japan Day Program

Wednesday 10 November 2021

AEST 10.30 - 18.00 | JST 09.30 - 11.15

The University of Queensland (UQ) has many partnerships with Japan across Universities, Industry and Government. The inaugural UQ-Japan Day will explore existing collaborations and new opportunities with a focus on engineering and science fields, to strengthen UQ's engagement with Japan.

**Morning program zoom access links:**

[Welcome, 10.30-11am AEST, 9.30-10am JST](#)

[Quantum Information and Engineering Science, 11.15am-12.15pm AEST, 10.15-11.15am JST](#)

[Australia-Japan Strategic Research Alliance in Materials NanoTectonics, 11.15am-12.15pm AEST, 10.15-11.15am JST](#)

[Advanced materials characterisation opportunities between UQ and Japan, 11.15am-12.15pm AEST, 10.15-11.15am JST](#)

# Program overview

Wednesday 10 November

## Morning sessions - online only

10.30 – 11am AEST 9.30 – 10am JST	<b>Welcome and opening remarks</b> <b>Moderated by</b> <a href="#">Professor Aleksandar Rakic</a> , Associate Dean (External Engagement), Faculty of Engineering, Architecture and Information Technology, UQ <a href="#">His Excellency Mr Shingo Yamagami</a> , Ambassador of Japan to Australia <a href="#">Professor Deborah Terry AO</a> , President and Vice-Chancellor, UQ
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## Concurrent sessions - online only

11.15am – 12.15pm AEST 10.15 – 11.15am JST	<b>Quantum Information and Engineering Science</b>
11.15am – 12.15pm AEST 10.15 – 11.15am JST	<b>Australia-Japan Strategic Research Alliance in Materials NanoTectonics</b>
11.15am – 12.15pm AEST 10.15 – 11.15am JST	<b>Advanced materials characterisation opportunities between UQ and Japan</b>

## Afternoon sessions - in-person only

Abel Smith Lecture Theatre (Building 23, Room 101), St Lucia Campus

1.30 – 3pm AEST	<b>Engaging with Japan: creating successful collaborations with Japanese partners in Industry, Government and Higher Education</b>
3 – 4pm AEST	<b>Australia and Japan funding opportunities</b>

## Networking and refreshments - in-person only

Terrace Room, Level 6, Sir Llew Edwards Building (14), St Lucia Campus

4.30 – 6pm AEST	<b>Networking and refreshments</b>
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# Program

## Quantum Information and Engineering Science

*This workshop brings together researchers from Osaka University and The University of Queensland to introduce the multidisciplinary field Quantum Information and Engineering Science to both researchers and students. The science programs in both universities will be discussed, as will the International Engineering Science Consortium. Staff and students should gain an understanding of the opportunities available through these networks for the development of collaborative research.*

Wednesday 10 November, 11.15am-12.15pm AEST | 10.15-11.15am JST;

zoom access link: <https://uqz.zoom.us/j/85084026319>

Time	Details
11.15 – 11.18am AEST 10.15 – 10.18am JST	<b>Introduction</b> <a href="#">Professor C.M. Wang</a> , Transport and Main Roads Chair, Professor of Structural Engineering, School of Civil Engineering, Faculty of Engineering, Architecture and Information Technology, UQ
11.18 – 11.35am AEST 10.18 – 10.35am JST	<b>Quantum Information Science and Engineering at Osaka University</b> <a href="#">Professor Masahiro Kitagawa</a> , Director, Centre for Quantum Information and Quantum Biology, Osaka University
11.35 – 11.50am AEST 10.35 – 10.50am JST	<b>Quantum Technologies Research at UQ</b> <a href="#">Professor Warwick Bowen</a> , Department of Physics, Faculty of Science, UQ
11.50am – 12.05pm AEST 10.50 – 11.05am JST	<b>Engineering Science Programmes in Osaka University</b> <a href="#">Professor Genta Kawahara</a> , Executive Vice-President, Osaka University
12.05 – 12.10pm AEST 11.05 – 11.10am JST	<b>Introduction of International Engineering Science Consortium (IESC)</b> <a href="#">Professor C.M. Wang</a> , Transport and Main Roads Chair, Professor of Structural Engineering, School of Civil Engineering, Faculty of Engineering, Architecture and Information Technology, UQ
12.10 – 12.15pm AEST 11.10 – 11.15am JST	<b>Closing remarks</b> <a href="#">Professor C.M. Wang</a> , Transport and Main Roads Chair, Professor of Structural Engineering, School of Civil Engineering, Faculty of Engineering, Architecture and Information Technology, UQ

# Program

## Australia-Japan Strategic Research Alliance in Materials NanoTectonics

*This session will discuss the Strategic Research Alliance developed between Australia and Japan through the Exploratory Research for Advanced Technology (ERATO) funding program. An initiative of the Japan Science and Technology Agency (JST), the ERATO funding program seeks to promote novel, unique, and transformative research in science and technology between Australia and Japan. Researchers from Waseda University, the National Institute for Materials Science (NIMS), JST and The University of Queensland will discuss the opportunities in industrial transformation and the exchange of knowledge, students and early career researchers available through the program.*

Wednesday 10 November, 11.15am-12.15pm AEST | 10.15-11.15am JST;  
zoom access link: <https://uqz.zoom.us/j/88639016554>

Time	Details
11.15 – 11.20am AEST 10.15 – 10.20am JST	<b>Welcome</b> <a href="#">Dr Muxina Konarova</a> , Advance Queensland Research Fellow, Australian Institute for Bioengineering and Nanotechnology, UQ
11.20 – 11.25am AEST 10.20 – 10.25am JST	<b>Overview of the ERATO project</b> <a href="#">Professor Yusuke Yamauchi</a> , Senior Group Leader, Australian Institute for Bioengineering and Nanotechnology; Professor, School of Chemical Engineering, UQ
11.25am – 12.05pm AEST 10.25 – 11.05am JST	<b>Panel discussion: Why an Australia/Japan partnership?</b> <a href="#">Professor Yusuke Yamauchi</a> , Senior Group Leader, Australian Institute for Bioengineering and Nanotechnology; Professor, School of Chemical Engineering, UQ <a href="#">Professor Alan Rowan</a> , Institute Director, Australian Institute for Bioengineering and Nanotechnology, UQ <a href="#">Professor Hironori Washizaki</a> , Associate Dean, Research Promotion Division, Waseda University <a href="#">Takashi Ohama</a> , Deputy Director, Department of Research Project, Japan Science and Technology Agency (JST) <a href="#">Emeritus Professor Tomonobu Nakayama</a> , Deputy Director and Administrative Director, International Centre for Materials Nanoarchitectonics; National Institute for Materials Science
12.05 – 12.14pm AEST 11.05 – 11.14am JST	<b>How can you get involved?</b> <a href="#">Dr Valentino Kaneti</a> , Advance Queensland Research Fellow, Australian Institute for Bioengineering and Nanotechnology, UQ
12.14 – 12.15pm AEST 11.14 – 11.15am JST	<b>Thank you and final remarks</b> <a href="#">Professor Yusuke Yamauchi</a> , Senior Group Leader, Australian Institute for Bioengineering and Nanotechnology; Professor, School of Chemical Engineering, UQ

## Program

# Advanced materials characterisation opportunities between UQ and Japan

*This workshop brings together researchers from Kyushu University and The University of Queensland to introduce the cutting-edge facilities for materials analysis, including Electron Microscopy, to both researchers and students. Looking at case studies of successful collaborations between the two universities, the session aims to inspire staff and students to avail themselves of opportunities these networks provide for collaborative research.*

Wednesday 10 November, 11.15am-12.15pm AEST | 10.15-11.15am JST;  
zoom access link: <https://uqz.zoom.us/j/87527074580>

Time	Details
11.15 – 11.20am AEST 10.15 – 10.20am JST	<b>Welcome</b> <a href="#">Professor Kazuhiro Nogita</a> , School of Mechanical and Mining Engineering, Faculty of Engineering, Architecture and Information Technology, UQ
11.20 – 11.35am AEST 10.20 – 10.35am JST	<b>Introduction of UQ-CMM and Australian Nano-tech organisations</b> <a href="#">Professor Roger Wepf</a> , Director, Centre for Microscopy and Microanalysis, UQ
11.35 – 11.55am AEST 10.35 – 10.55am JST	<b>Overview of the Kyushu-Ultramicroscopy centre and Japanese Nano-tech support program</b> <a href="#">Professor Syo Matsumura</a> , Department of Applied Quantum Physics and Nuclear Engineering, Kyushu University
11.55am – 12.10pm AEST 10.55 – 11.10am JST	<b>Case studies of research outcomes involving collaborative UQ and Kyushu University relationships</b> <a href="#">Professor Kazuhiro Nogita</a> , School of Mechanical and Mining Engineering, Faculty of Engineering, Architecture and Information Technology, UQ <a href="#">Emeritus Professor Jin Zou</a> , School of Mechanical and Mining Engineering, Faculty of Engineering, Architecture and Information Technology, UQ
12.10 – 12.15pm AEST 11.10 – 11.15am JST	<b>Conclusion</b> <a href="#">Professor Kazuhiro Nogita</a> , School of Mechanical and Mining Engineering, Faculty of Engineering, Architecture and Information Technology, UQ

## Program

# Engaging with Japan: creating successful collaborations with Japanese partners in Industry, Government and Higher Education

*The session brings together a panel of experts to explore how UQ staff can effectively engage with Japanese stakeholders across government, industry and the higher education sectors. The panel discussion will highlight opportunities to overcome barriers to engage in these sectors and attendees will learn from the panellist's breadth of expertise and experience in building effective partnerships with these sectors in Japan.*

Wednesday 10 November, 1.30-3pm AEST;

Venue: Abel Smith Lecture Theatre (Building 23, Room 101), St Lucia Campus, UQ

Time	Details
1.30 - 1.35pm AEST	<b>Welcome and introductions</b> <a href="#">Dr Monica Chien</a> , Senior Lecturer, School of Business, Faculty of Business, Economics and Law, UQ
1.35 - 1.50pm AEST	<b>Presentation by Tak Adachi</b> <a href="#">Tak Adachi</a> , Queensland Trade and Investment Commissioner, Japan, Trade and Investment Queensland
1.50 - 2.05pm AEST	<b>Presentation by Tim Tout</b> <a href="#">Tim Tout</a> , Co-Founder and Managing Director, HummingByrd Inc., Co-Vice Chair, Technology, Innovation, Education and Research Committee of Australian and New Zealand Chamber of Commerce in Japan, and Coordinator of UQ Alumni Global Connection in Japan
2.05 - 2.55pm AEST	<b>Panel session</b> <b>Moderated by <a href="#">Dr Monica Chien</a></b> , Senior Lecturer, School of Business, Faculty of Business, Economics and Law, UQ <a href="#">Cheryl Stanilewicz</a> , Director, Investment, Centre for Excellence - Agribusiness and Food, Global Client Services, Australian Trade and Investment Commission (Austrade), Brisbane (former Trade Commissioner and Counsellor Tokyo) <a href="#">Julie Yamamoto</a> , Management Committee Member, Queensland Japan Chamber of Commerce; Committee Member, Australian Japan Society - Qld; Principal Policy Officer, Department of Agriculture and Fisheries, Queensland Government <a href="#">Susie Clowes</a> , Project Manager, Asia Pacific Cities Summit and Mayors Forum, International Relations and Multicultural Affairs, Lord Mayor's Administration and Engagement, Brisbane City Council (former Senior International Project Officer - Kobe Sister City)
2.55 - 3pm AEST	<b>Closing remarks</b> <a href="#">Dr Monica Chien</a> , Senior Lecturer, School of Business, Faculty of Business, Economics and Law, UQ

# Program

## Australia and Japan funding opportunities

The session brings together presenters from the Japan Science and Technology Agency (JST), the Foundation for Australia-Japan Studies and UQ's Research Office. They will provide an overview of funding opportunities to support research between Australia and Japan.

JST plays a central role in Japan's Science and Technology Basic Plan. Based on science and technology targets issued by the government, JST funds strategic basic research, academia-industry collaboration and technology transfer, and in recent years promotes international joint research and the fostering of next generation human resources. JST also provides information services supporting R&D activities.

The Foundation for Australia-Japan Studies (FAJS) was an initiative of the Australia-Japan Foundation (Australian Department of Foreign Affairs and Trade). The FAJS uses its funding and networks as catalysts to encourage national and sector-wide cooperation of the kind that calls forward serious, transformative responses from Japan. They support projects that are likely to attract interest and expanded financial support from the public and private sectors in Australia and Japan.

There will also be an opportunity for participants to learn how to navigate the funding landscape from UQ's Research Office.

Wednesday 10 November, 3-4pm AEST;  
Venue: Abel Smith Lecture Theatre (Building 23, Room 101), St Lucia Campus, UQ

Time	Details
3 - 3.05pm AEST	<b>Welcome and introductions</b> <a href="#">Professor Yusuke Yamauchi</a> , Senior Group Leader, Australian Institute for Bioengineering and Nanotechnology; Professor, School of Chemical Engineering, UQ
3.05 - 3.15pm AEST	<b>UQ Research Office</b> <a href="#">Dr Lucy Buzacott</a> , Senior Manager, Sponsored Research, Research Office
3.15 - 3.25pm AEST	<b>Japan Science and Technology Agency (JST)</b> <a href="#">Ken Kawabata</a> , e-ASIA Special Program Coordinator and Deputy Manager, JST Singapore Office
3.25 - 3.35pm AEST	<b>Foundation for Australia-Japan Studies</b> <a href="#">Jason Hayes</a> , Partner, PwC Australia; Board member, Foundation for Australia-Japan Studies
3.35 - 3.55pm AEST	<b>Q&amp;A session</b> <b>Moderated by</b> <a href="#">Professor Yusuke Yamauchi</a> , Senior Group Leader, Australian Institute for Bioengineering and Nanotechnology; Professor, School of Chemical Engineering, UQ
3.55 - 4pm AEST	<b>Thank you and close</b> <a href="#">Professor Yusuke Yamauchi</a> , Senior Group Leader, Australian Institute for Bioengineering and Nanotechnology; Professor, School of Chemical Engineering, UQ

## Biographies



**Professor Deborah Terry AO**  
President and Vice-Chancellor  
The University of Queensland

BA (Hons) ANU, PhD ANU, FASSA, FAPS

Professor Deborah Terry AO is Vice-Chancellor and President of The University of Queensland (UQ). Prior to commencing this role in August 2020, she served as Vice-Chancellor of Curtin University, in Western Australia (from February 2014 to July 2020).

Professor Terry was made an Officer in the General Division of the Order of Australia (AO) in June 2015, in recognition of her distinguished service to education in the tertiary sector.

She is also Chair of the Board of Universities Australia; a Fellow and past President of the Academy of Social Sciences in Australia; an appointed member of the Australian Research Council Advisory Council; and serves on the Australia and New Zealand School of Government Board and Australia's Academic and Research Network Board.

Having grown up in Perth and Canberra, Professor Terry completed her PhD in Social Psychology at the Australian National University in Canberra. From there, she commenced her distinguished career at UQ in 1990, initially as an internationally recognised scholar in psychology. During her 24 years at UQ, Professor Terry progressed through a number of senior leadership roles to become Senior Deputy Vice-Chancellor, before leaving for her role as Vice-Chancellor of Curtin University in early 2014.



**His Excellency Mr Shingo Yamagami**  
Ambassador of Japan to Australia

His Excellency Mr Shingo Yamagami was appointed as Ambassador of Japan to Australia in November 2020. He was previously the Secretariat of the Foreign Minister, Assistant Minister/Director General of the Economic Affairs Bureau and Intelligence and Analysis Service. He holds a B. A. Faculty of Law, University of Tokyo.





**Professor Aleksandar Rakić**

Associate Dean (External Engagement)

Faculty of Engineering, Architecture & Information Technology

The University of Queensland

Professor Aleksandar Rakić is Associate Dean, External Engagement for the Faculty.

The Associate Dean (External Engagement) is a broad role including the strategic leadership of international partnerships and student recruitment activities, the Faculty's Advancement portfolio, as well as representing the University with a range of partner organisations and individuals.

Aleks was appointed to Professor with the School of Information Technology and Electrical Engineering in 2016. In addition to his teaching and research role, Professor Rakić has served as the Director for International Development within the School of ITEE since 2010. In this role, he has lead and developed the strategic management of the School's international sphere. With Aleks' leadership the School's international intake increased substantially.



**Professor Chien Ming Wang**

Transport and Main Roads Chair, Professor of Structural Engineering  
School of Civil Engineering, Faculty of Engineering  
Architecture and Information Technology  
The University of Queensland

Professor C.M. Wang is the TMR Chair Professor in Structural Engineering, The University of Queensland. He is a Fellow of the Australian Academy of Technology and Engineering, and a Fellow of Academy of Engineering Singapore. His research interests are in the areas of structural mechanics and floating structures. He is the Leader of the Offshore Engineering Program of the Blue Economy Cooperative Research Centre that conducts research projects that combine seafood, renewable energy and offshore engineering, underpinned by a \$329 million grant from the Australian Government and industry partners over a 10-year period. He is University of Queensland engineering science leader in the International Engineering Science Consortium.



**Professor Warwick Bowen**

Director, The University of Queensland Precision Technologies Translation Hub  
The University of Queensland

Professor Warwick Bowen's research focuses on the implications of quantum science on precision measurement, and applications of quantum measurement in areas ranging from quantum condensed matter physics to the biosciences. He is a Fellow of the Australian Institute of Physics, Director of the University of Queensland Precision Technologies Translation Hub, and a Theme Leader of the Australian Centre for Engineered Quantum Systems. His lab has significant efforts in using quantum light and quantum-limited technologies to improve biological microscopy. They also have active research efforts on integrated photonics, quantum control of macroscopic mechanical devices, and superfluid helium physics. Professor Bowen's research is supported by the Australian Research Council, the US Air Force Office of Scientific Research, Lockheed Martin, the US Army Research Office and the Australian Defence Science and Technology Group.



**Professor Genta Kawahara**

Executive Vice-President, Global Engagement;  
Professor, Graduate School of Engineering Science  
Osaka University

Dr Genta Kawahara is a Professor in the Graduate School of Engineering Science, Osaka University. He is in charge of global engagement at Osaka University as an Executive Vice President. He is a Member of the Engineering Academy of Japan. His research interest is in the area of fluid mechanics, especially turbulent flows, and he is an Associate Editor of Journal of Fluid Mechanics. Dr Kawahara has worked on theoretical characterization of turbulent flows in terms of simple invariant solutions to the Navier-Stokes equation. He has also described the process of subcritical transition to turbulence using dynamical systems theory. He is now extending his research field to turbulent heat transfer. He is a Secretariat of International Engineering Science Consortium.



**Professor Masahiro Kitagawa**

Director, Centre for Quantum Information and Quantum Biology  
Osaka University

Professor Masahiro Kitagawa is a Professor of Graduate School of Engineering Science and the Director of Center for Quantum Information and Quantum Biology, Osaka University. He was a research scientist at NTT Basic Research Laboratories from 1983 to 1993. He has been working on quantum optics and quantum information since 1985. His research interest covers quantum measurement and sensing, quantum communications, quantum computing, and quantum biology. He serves as the program director of the Moonshot Goal 6 toward fault-tolerant universal quantum computer, and the project leader of the Quantum Software Research Hub. He is a member of the quantum innovation committee of the cabinet office. He is a co-founder of QunaSys Inc., a quantum software startup, and QuEL Inc., a quantum middleware startup. His paper on “Squeezed Spin States” is selected as Physical Review A 50th Anniversary Milestones.



**Professor Yusuke Yamauchi**

Senior Group Leader

Australian Institute for Bioengineering and Nanotechnology;

Professor, School of Chemical Engineering

The University of Queensland

Professor Yusuke Yamauchi, Senior Group Leader, Australian Institute for Bioengineering and Nanotechnology and Professor, School of Chemical Engineering, The University of Queensland.

Professor Yusuke Yamauchi received his Bachelor's degree (2003), Master's degree (2004), and Ph.D. degree (2007) from the Waseda University, Japan. After receiving his Ph.D., he joined the National Institute of Materials Science (NIMS), Japan, to start his own research group. At the same time, he started to serve as an adjunct professor to supervise Ph.D. students at the Department of Nanoscience and Nanoengineering, Waseda University. After being granted the ARC Future Fellowship, in May 2016, he joined the Institute for Superconducting & Electronic Materials (ISEM), the Australian Institute for Innovative Materials (AIIM), the University of Wollongong (UOW) as a Professor. In 2018, he moved to the University of Queensland (UQ). Presently, he is a Senior Group Leader at the Australian Institute for Bioengineering and Nanotechnology (AIBN) (on secondment from the School of Chemical Engineering until 2026), a Professor at the School of Chemical Engineering, and a Director at the Australian Materials nanoTectonic Centre. He concurrently serves as an ERATO Research Director at the JST-ERATO Yamauchi Materials Space-Tectonics, a Group Leader at the Mesoscale Materials Chemistry Group, the International Center for Materials Nanoarchitectonics (WPI-MANA), the National Institute for Materials Science (NIMS), a Visiting Professor at the Waseda University, an Advisory Board Member of prestigious journals (Small, Small Structures, ChemCatChem, J. Inorg. Organomet. Polym. Mater., etc.), and an Associate Editor of the Journal of Materials Chemistry A published by the Royal Society of Chemistry (RSC) and Chemical Engineering Journal (Elsevier).

He has published more than 900 papers in international refereed journals (>10 Nature's and Science's sister journals, >20 J Am Chem Soc (ACS), >10 ACS Nano (ACS), >25 Chem Mater (ACS), >10 Chem Sci (RSC), >10 Mater Hor (RSC), >50 Chem Commun (RSC), >20 Bull Chem Soc Jpn (CSJ), >20 Chem Lett (CSJ), >15 Adv Mater (Wiley), >35 Angew Chem Int Ed (Wiley), >30 Small (Wiley), etc.) with > 50,000 citations (h-index > 120, Google Scholar; h-index > 110 Web-of-Science). He is selected as one of the Highly-Cited Researchers in Chemistry in 2016, 2017, 2018, 2019, 2020 and 2021 and in Materials Science in 2020 and 2021. He has received many outstanding awards, such as the NISTEP Award by the National Institute of Science and Technology Policy (2016), the Chemical Society of Japan (CSJ) Award for Young Chemists (2014), the Young Scientists' Prize of the Commendation for Science and Technology by MEXT (2013), the PCCP Prize by the Royal Society of Chemistry (2013), the Tsukuba Encouragement Prize (2012), the Ceramic Society of Japan (CerSJ) Award (2010), and the Inoue Research Award for Young Scientists (2010). Recently, he was selected as one of Australia's Top 40 Researchers of Research Report published by The Australian in 2019 and 2020.



**Professor Alan Rowan**

Director, Australian Institute for Bioengineering and Nanotechnology (AIBN)  
The University of Queensland

BSc(Hon), PhD, *Liverpool*.

Professor Alan Rowan studied at the University of Liverpool and obtained his first-class honours in chemistry and was awarded the Leverhulme Medal. He obtained his PhD degree with Professor Ray Abraham at the same university working on the self-assembly of chlorophylls. He subsequently worked for two years in New Zealand with Professor Chris Hunter in the area of catenane and rotaxane self-assembly. He returned to Europe as a Marie-curie Fellow to work with Professor Roeland Nolte at the University of Nijmegen the Netherlands, where he continued research in functional supramolecular assemblies. He stayed in Nijmegen and became a full professor in 2005, where he has established a new group in molecular materials, studying the relationship between molecular assembly and functional properties. In January 2016 he left the Netherlands and became Director of the Australian Institute for Bioengineering and Nanotechnology at the University of Queensland, Brisbane, Australia and establish a new group of Biomaterials. He has performed his research at the interface of chemistry and biology with seminal and pioneering work on processive catalysis and functional self-assembly.

In recognition of the quality and originality of Professor Rowan's research, he was awarded the RSC Soft Matter and Biophysics Prize in 2014 and in April 2020 he became a Fellow of the Australian Academic. In 2017 he was awarded an Australian Research Council Laureate Fellowship in the area of mechano transduction and its influence on cell behavior, combining the fields of soft matter and responsive materials, developing the first truly synthetic biomimetic hydrogel which mimics the mechanics and functional properties of the extracellular matrix.

His seminal contributions include functional materials, biomimetic processive catalysis, synthetic extracellular materials and single enzyme kinetics is demonstrated through more than 360 publications with over 20,000 citations (h index 72), including 13 high-impact publications in Nature, Science, Nature Materials, Nature Nanotechnology, and Nature Chemistry.



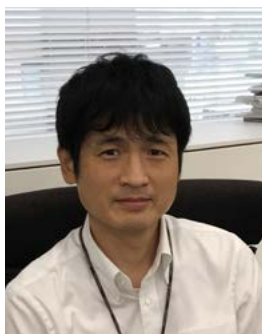
**Professor Hironori Washizaki**

Associate Dean  
Research Promotion Division  
Waseda University

Dr Hironori Washizaki is a Professor and the Associate Dean of the Research Promotion Division at Waseda University in Tokyo, and a Visiting Professor at the National Institute of Informatics. He also works in industry as Outside Directors of SYSTEM INFORMATION and eXmotion. Since 2017, he has been the lead on a large-scale grant at MEXT called enPiT-Pro SmartSE, which encompasses IoT, AI, software engineering and business.

Hironori currently serves as IEEE Computer Society Vice President for Professional and Educational Activities 2021. He is spearheading the Guide to the Software Engineering Body of Knowledge (SWEBOK) evolution project. He has been on PEAB since 2017. He also serves as Associate Editor of IEEE Transactions on Emerging Topics in Computing (TETC), Steering Committee Member of the IEEE Conference on Software Engineering Education and Training (CSEE&T), and Advisory Committee Member of the IEEE CS flagship conference COMPSAC. He is a Professional Member of IEEE-Eta Kappa Nu. He has served as the program chair of multiple IEEE conferences, including ICST, CSEE&T, and SIoT/SISA of COMPSAC. Additionally, he is the program chair of ICPC Programming Education Track and SCAM Engineering Track, workshop chair and publicity chair of ASE, local chair of COMPSAC, and Chair of IEEE CS Japan Chapter.

Hironori's research interests include systems and software engineering. He received his Ph.D. in information and computer science from Waseda University in 2003. He has published more than 120 research papers in refereed international journals and conferences, including TETC, EMSE, SCICO, ICSE and ASE. He has led many academia-industry joint research and large-funded projects in software design, traceability, and quality assurance. Since 2015, he has been the Convener of ISO/IEC/JTC1 SC7/WG20 to standardize bodies of knowledge and professional certifications. Since 2019, he has been Steering Committee Member of APSEC.



**Takashi Ohama**

Deputy Director, Department of Research Project  
Japan Science and Technology Agency (JST)

Takashi Ohama is Japan Science and Technology Agency's Department of Research Project Director and manages the overall operations of JST's flagship funding program "ERATO." Much of his tenure at JST has been engaged in the international arena. He managed the essential function of launching SATREPS program as part of Japan's science diplomacy efforts in developing countries. He has served as JST Washington, D.C. Office Director for promoting collaborations between JST and counterpart agencies such as NSF and NIH. He has also been seconded to the Science and Technology in Society (STS) forum where he served as Program Officer responsible for the programming of the annual meetings.

Before joining JST, he worked at Mitsui Engineering & Shipbuilding Company and was mostly in charge of the basic design of merchant ships. He has worked as Technology Liaison Representative at Mitsui Zosen Europe Limited, London.

He received his bachelor's degree in Naval Architecture from Osaka Prefecture University.



**Emeritus Professor Tomonobu Nakayama**

Deputy Director and Administrative Director  
International Centre for Materials Nanoarchitectonics  
National Institute for Materials Science

Tomonobu Nakayama has been working in the field of surface science and nanotechnology. He developed the world-first multiple-scanning-probe microscope (MPSPM) when he was in Professor Masakazu Aono's laboratory in RIKEN, and achieved the first multiprobe nanoscale MPSPM measurements with the atomic resolution. Later he has also developed an integrated control system specialized for nanoscale MPSPM measurements. He has been studying on physical and chemical properties of fullerene molecules, especially from the view points of their polymerization and depolymerization, and achieved the first observation of intermolecular polymerization in a monolayer system. Also he has been pursuing much more sophisticated control of the chemical reaction at the single-molecule level for realizing single-molecule memory devices. More recently, he started to develop various types of nanoscale chemical sensor probes for multiple-scanning-probe microscopes to open a nanoscale system biology to seek innovative discipline of future computation.



**Dr Muxina Konarova**  
Advance Queensland Research Fellow  
Australian Institute of Bioengineering and Nanotechnology (AIBN)  
The University of Queensland

Dr Konarova is an Advance Queensland Research Fellow at Australian Institute of Bioengineering and Nanotechnology (AIBN) at The University of Queensland (UQ). She gained her PhD in Chemical Engineering at Tokyo Institute of Technology, Japan.

Dr Konarova has been working in the fields of green chemistry and heterogeneous catalysts for conversion of carbonaceous feedstocks into biofuels and chemicals. Specifically, engineering catalysts for catalytic conversion of carbonaceous feedstocks and designing functional catalysts using green chemistry approach. Some of her work includes syngas to oxygenated fuels (ethanol, DME, DEE); used tyre oil conversion to fuels; and other waste oil (used engine oil, cooking oil) conversion. She is also involved in lignin valorisation research projects to produce phenolic monomers and other platform chemicals.



**Dr Valentino Kaneti**  
Advance Queensland Industry Research Fellow  
Australian Institute of Bioengineering and Nanotechnology (AIBN)  
The University of Queensland

Dr Valentino Kaneti received his PhD degree in 2014 from the University of New South Wales (UNSW), Sydney, Australia. After that, he joined the Monash University/University of New South Wales as a part-time postdoctoral fellow with the Laboratory of Simulation and Modeling of Particulate Systems (SIMPAS). In December 2015, he was awarded the Endeavour Australia Fellowship and participated in a 4-month research exchange at the Graduate School at Shenzhen, Tsinghua University (China) between February-July 2016 and worked on the development of anode materials for sodium-ion batteries using metal-organic framework-derived composites. In September 2016, he joined the National Institute for Materials Science (NIMS), specifically at the International Center for Materials Nanoarchitectonics (MANA) as a Japan Society for Promotion of Science (JSPS) Postdoctoral Fellow. His JSPS research focuses on the fabrication of metal-organic frameworks and mesoporous materials for energy and environmental applications. In October 2018, Dr Kaneti was awarded the MANA Research Fellowship and worked at the Nanotubes group in NIMS with research projects focusing on the self-assembly of 1D nanomaterials into 2D nanostructures and vice versa for energy storage and conversion applications. Currently, he is working as an Advance Queensland Industry Research Fellow at the Australian Institute for Bioengineering and Nanotechnology, The University of Queensland. To date, Dr Kaneti has published more than 100 papers in international refereed journals with >5,700 citations (h-index of 35), including 13 ESI Highly Cited Paper as of June 2021. He also serves as an Editorial Board Member of Batteries (MDPI), Crystals (MDPI) and Gases (MDPI). He has obtained some highly competitive Fellowships/awards, including JSPS Fellowship, Endeavour Australia Fellowship, NIMS-MANA Fellowship, and Advance Queensland Industry Research Fellowship.





**Professor Kazuhiro Nogita**

School of Mechanical and Mining Engineering  
Faculty of Engineering, Architecture and Information Technology  
The University of Queensland

Professor Nogita graduated from Kyushu University (KU), Japan as an Engineer in 1990 and worked in the nuclear power industry with Hitachi Ltd. He was awarded a PhD from KU in 1997. He migrated to Australia in 1999 after accepting a position at The University of Queensland (UQ), where he is currently director of the Nihon Superior Centre for the Manufacture of Electronic Materials (NS CEM), project manager of The University of Queensland - Kyushu University Oceania project (UQ-KU project) and Deputy Chair of the International Development and Engagement Committee at the School of Mechanical and Mining Engineering. Since 2017, he has coordinated an Engineering course supported by a New Colombo Plan that has allowed UQ Engineering students to travel to and engage with KU and a variety of leading Japanese manufacturing facilities. His research is in three major areas, namely hydrogen-storage alloys, lead-free solders and Li-ion batteries. He holds 18 international patents and has authored over 200 refereed scientific papers.



**Professor Roger Wepf**

Director, Centre for Microscopy and Microanalysis  
The University of Queensland

Professor Roger Wepf is Director of the Center for Microscopy & Microanalysis (CMM) at The University of Queensland. He received his academic degrees in cell biology in 1992 (ETH). After a post-doctoral fellowship (Biocenter Basel/ETH), Roger joined the physical instrumentation program at EMBL, Heidelberg, in the Max Haider group, developing cryo-technology for corrected LVSEM and EM. Before he moved to the ETH, Roger was with Beiersdorf AG for nine years, as head of the analytical microscopy department in Hamburg, working mainly on human skin morphomics, colloidal systems and adhesives, with a focus on developing cryo-preparation techniques for imaging and spectroscopy. In May 2006 Roger was elected as the Director of the EM Center of the Swiss Federal Institute of Technology (EMEZ) and in 2014 became the Technical Director of the Scientific Center for Optical and Electron Microscopy (ScopeM). His major research activities were focused in the field of correlative microscopy, automatic sample preparation and imaging techniques for particle imaging. Roger's current research interest leads to developing tools for automated integrative imaging and spectroscopy to explore new frontiers in structure research.



**Professor Syo Matsumura**

Director, Ultramicroscopy Center;  
Deputy Dean, Faculty of Engineering  
Kyushu University

Professor Matsumura's scientific carrier started as a research associate at Graduate School of Engineering Sciences, Kyushu University in 1981 after receiving M. Eng. on Materials Science. After receiving his Ph. D at Kyushu University in 1992, he moved to Faculty of Engineering at Kyushu University as an associate professor and was promoted to his present position in 1998. Professor Matsumura spent a sabbatical leave at Hahn-Meitner-Institut (presently, Helmholtz-Zentrum Berlin für Materialien und Energie) in Germany (1994-1995). He is now the Director of the Ultramicroscopy Center and Deputy Dean of Faculty of Engineering of Kyushu University. His main research field is nanostructure characterization of metallic and inorganic materials. Professor Matsumura is currently a member of the executive board of Int'l. Federation of Societies for Microscopy and the president of the Committee of Asia Pacific Societies for Microscopy. He was appointed as a UQ Honorary Professor in July 2021.



**Emeritus Professor Jin Zou**

School of Mechanical and Mining Engineering  
Faculty of Engineering, Architecture and Information Technology

Professor Zou entered the field of electron microscopy in 1982 when he commenced his masters study in China. After earned his PhD from the University of Sydney in 1994, he worked there for 10 years with several fellowships, including an Australian Postdoctoral fellowship and a Queen Elizabeth II fellowship. He moved to UQ in July 2003, and won an inaugural ARC Future Fellowship (FT3 - Professor level) in 2009. In 2021, Professor Zou became an Emeritus Professor.

Over the years, Professor Zou's research interest has been focused on the understanding of the evolution of advanced and nano-scaled materials and their fundamental properties; and on the development of high-performance functional nanomaterials for energy applications. So far, Professor Zou published nearly 700 SCI articles with most of them published in leading international journals, which have attracted over 29,000 citations and led to an H-index of 83.



**Dr Monica Chien**

Senior Lecturer  
School of Business  
Faculty of Business, Economics and Law  
The University of Queensland

Monica has a PhD in Marketing and is a senior lecturer at The University of Queensland Business School. She is an internationally recognized consumer behavior scholar, and her expertise lies in the areas of tourism, marketing communications, branding, sport and mega-events. With more than 20 years combined research and practical experiences both in Australia and internationally, Monica has led and successfully completed several cross-disciplinary projects. She is often sought out as an advisor to industry and government, most recently collaborating with Queensland State Government, Kobe City Government, and regional municipalities in Japan. This variety of commercial, academic and consulting experiences demonstrate her strengths as a highly networked leader and globally connected business strategist. Monica has published in leading tourism and marketing journals. She has won multiple awards for her teaching and research, including the prestigious Japan Society for the Promotion of Science Invitational Fellowship for Research in Japan, and has been regularly invited as a visiting research fellow to universities in Japan.



**Tak Adachi**

Queensland Trade and Investment Commissioner, Japan,  
Trade and Investment Queensland

Tak Adachi has been Queensland Trade and Investment Commissioner for Japan, one of the state's largest export markets, since 2004.

Before his appointment, Tak was a Senior Investment Commissioner for North Asia at Invest Australia (within the Australian Embassy Tokyo – now part of Austrade), following a successful private-sector career as an investment banker, working in both Japan and Australia with Deutsche Bank as Director Global Markets.

Prior to this, Tak held senior positions with Macquarie Bank and Andersen Consulting (now Accenture). He holds a Bachelor of International Law from Sophia University in Tokyo, and a Master of Business Administration from the Australian Graduate School of Management, which he attended on a Commonwealth Scholarship. Tak is also a Special Advisor to the Japan Chamber of Commerce and Industry, Brisbane Branch.

**Tim Tout**

Co-Founder and Managing Director, HummingByrd Inc.;  
Co-Vice Chair, Technology, Innovation, Education and Research Committee of Australian and New Zealand Chamber of Commerce in Japan;  
Coordinator of UQ Alumni Global Connection in Japan

A Graduate Member of the Australian Institute of Company Directors, Tim has a Bachelor of Arts and MBA from the University of Queensland and a Postgraduate Diploma of Business from QUT. He worked in a variety of positions at the University of Queensland before moving to Japan where he's been working for 20 years. Tim is also one of the UQ Alumni Co-ordinators in Japan.

In 2013 Tim co-founder HummingByrd Inc., and as an Executive Coach and Consultant, is focused on maximising the potential of people and organisations to make a positive impact in the world around us. With his strong entrepreneurial spirit, Tim's career covers leadership positions in the agricultural, fashion retail, tertiary education and training and development sectors.

Tim is a member of the Australia and New Zealand Chamber of Commerce in Japan and is the Co-Vice Chair of the Technology, Innovation, Education and Research Committee.

**Cheryl Stanilewicz**

Director, Investment  
Centre for Excellence - Agribusiness and Food, Global Client Services  
Australian Trade and Investment Commission (Austrade), Brisbane  
(former Trade Commissioner and Counsellor Tokyo)

Cheryl has been Director of Investment, Agribusiness & Food Centre of Excellence, Austrade Brisbane, since April 2021. She has management responsibility for Austrade's inwards investment strategic direction and engagement in agtech and foodtech; as well as in advanced/innovative food and beverage manufacturing, to deliver impactful outcomes.

From 2017-2021, Cheryl was Trade Commissioner and Counsellor Commercial with Austrade in Tokyo. In this role she had Tokyo Post management responsibilities as well as trade and investment team leadership and management responsibilities across the following sectors: agribusiness & food; tourism and sports services & technologies; ecommerce and consumer/lifestyle products.

Prior to her role in Tokyo, Cheryl was Austrade's State Director, Queensland & Northern Territory, based in Brisbane from 2009-2017. In her 25+ year career in Austrade, she has worked in Canberra, Sydney, and Brisbane; and has served internationally in senior roles in Tokyo, Singapore, Washington DC, and Osaka.



### **Julie Yamamoto**

Management Committee Member, Queensland Japan Chamber of Commerce;  
Committee Member, Australian Japan Society - Qld;  
Principal Policy Officer, Department of Agriculture and Fisheries  
Queensland Government

Julie is a trade and investment professional and her work engagement with Japan spans more than 25 years. Julie resided in Japan for just under 15 years and during this time gained valuable corporate experience in the hotel and tourism, real estate and relocation, automotive, marketing, e-commerce and translation industries. She also worked as a teacher in a high school.

Upon returning to Australia in 2009, Julie secured a role in Trade and Investment Queensland. In this role, Julie gained valuable industry sector insights over 6 years supporting Queensland companies to export to Japan and Japanese investors seeking opportunities in Queensland. Julie now works in the trade and investment team with the Department of Agriculture and Fisheries (Queensland Government) and is very proud of the strong connections the department shares with Japan.

Julie is passionate about giving back to the bilateral relationship and volunteers her time as a management committee member of the Queensland Japan Chamber of Commerce and Industry and also as a Committee Member of the Australia Japan Society of Queensland.

In more recent times, Julie has held board and advisory positions with Brisbane Bandits Baseball, and also Queensland Reds Rugby Union Teams. She is passionate about leveraging sports for economic development and diplomacy.

### **Susie Clowes**

Project Manager, Asia Pacific Cities Summit and Mayors Forum  
International Relations and Multicultural Affairs  
Lord Mayor's Administration and Engagement, Brisbane City Council  
(former Senior International Project Officer - Kobe Sister City)



Susie is a specialist in the International Relations and Multicultural Affairs unit at Brisbane City Council, having managed the Brisbane-Kobe sister city relationship for several years. The International Relations team is responsible for driving economic and social outcomes for Brisbane through a range of international programs and initiatives, including; Asia Pacific Cities Summit and Mayors' Forum; Lord Mayoral Business Missions to overseas markets; Lord Mayor's Sister Cities Steering Committee; Lord Mayor's Multicultural Round Table; Lord Mayor's Multicultural Business Initiatives; Brisbane's Sister Cities Program; Inbound International government and business delegations.

Having worked in the International Relations Team since 2014, Susie has worked on a wide range of projects with a number of international markets including Japan, New Zealand and Indonesia.

Susie's current role is the Project Manager for the Asia Pacific Cities Summit and Mayors' Forum, an internationally acclaimed, award-winning gathering of city and business leaders from across the Asia Pacific. The Summit was most recently held in Brisbane in September 2021, in a hybrid format.

Prior to joining Brisbane City Council, Susie spent six years working at the Japanese Consulate-General in Brisbane in the Cultural Affairs Department. Her role included coordination of the Japan Exchange Teaching (JET) Programme, Japanese Film Festival and Japan Week.



**Dr Lucy Buzacott**  
Senior Manager, Research  
The University of Queensland

Dr Lucy Buzacott leads the Flagships and International portfolios in the University of Queensland Research Office as Senior Manager, Research. She was previously Research Manager at the University of Melbourne and has worked as a consultant in education, arts, and the creative industries sectors. She has a PhD in Literary Studies from the University of Queensland.



**Ken Kawabata**  
e-ASIA Special Program Coordinator and Deputy Manager  
Japan and Science Technology Agency (JST) Singapore Office

Ken Kawabata serves as a Deputy Manager at Department of International Affairs, JST as well as a Special Program Coordinator of the e-ASIA Joint Research Program.

After studying at the University of California, Davis, School of Veterinary Medicine, he started his career as a biomedical researcher at Cedars-Sinai Medical Center, Los Angeles and Veterans Affairs Medical Center Long Beach, California, U.S.A. After moving back to Japan, he joined MSD K.K., a subsidiary of Merck & Co., Inc. and delved into his pharmacological studies.

With experiences of residing in the U.S and working in biomedical research for more than 10 years, he joined JST in 2009. He has engaged in international affairs including SATREPS, formulation of JST International Strategies, and international collaboration in Moonshot R&D Program at JST. He has recently been seconded to the Cabinet Office, Government of Japan, for two years and led 'Science, Technology and Innovation for SDGs (STI for SDGs) Initiatives' under the Council for Science, Technology and Innovation (CSTI), Government of Japan.



**Jason Hayes**

Partner, PwC Australia

Board member, Foundation for Australia-Japan Studies

Jason Hayes is the leader of PwC's Asia Pacific Japan Practice (ex Japan). Jason is a Financial Assurance Partner and has more than 29 years of international experience providing assurance and advisory services to companies in a wide variety of industry sectors. He has advised Japanese companies on IFRS, JSOX requirements, foreign listing requirements and he has extensive experience with financial due diligence and financial investigations in Australia and Japan. Jason is the lead author of PwC's "Japan Rebooted" series and is a regular commentator in the media and presenter at forums on Japanese trade and investment in Australia including seminars organized by PwC in conjunction with Asialink, JCCI and JETRO. Jason has spent 8 years on assignment with PwC in Japan and he is an active member of the Australia Japan Business Cooperation Committee. Jason is currently a board member for Foundation for Australia-Japan Studies (FAJS), which is an initiative supported by DFAT and Rio Tinto that promotes collaboration between academic institutions, industry and government in Australia and Japan.