

**Kickoff Conference: JST-ERATO YAMAUCHI Materials
Space-Tectonics Project**
~ Towards Game-Changing Science and Engineering for Future~

Organized by the JST-ERATO Yamauchi Materials Space-Tectonics Project

Co-Organized by Japan Science and Technology Agency (JST), National Institute for Materials Science (NIMS), Waseda University, and The University of Queensland (UQ)

Place (Simultaneous Broadcast): Research and Development Building (Building No.121), Waseda University / 1F, AIBN Building, UQ

Online participation: ZOOM (You may know the link after your registration).

Registration Fee: Free

Registration: Please send your information (name, position, affiliation, e-mail address) to the ERATO-Office (erato-office@list.waseda.jp).

Date: 17 April 2021

Time: 13:00 – 17:30 (Japan Standard Time) / 14:00 – 18:30 (Brisbane Time, Australia)

Language: English

[1] Opening Remarks (20 min) Chair: JST

Time: 13:00 – 13:20 (Japan Standard Time) / 14:00 – 14:20 (Brisbane Time, Australia)

- JST Representative (To be announced)
- Professor Kazuhiro Hono (Vice-President, NIMS)
- Professor Alan E Rowan (Director, Australian Institute for Bioengineering and Nanotechnology (AIBN), UQ)
- Professor Hironori Kasahara (Senior Executive Vice President, Waseda University)

[2] Outline of the JST-ERATO Yamauchi Materials Space-Tectonics (20 min) Chair: JST

Time: 13:20 – 13:40 (Japan Standard Time) / 14:20 – 14:40 (Brisbane Time, Australia)

- Professor Yusuke Yamauchi
(Professor, UQ / Group Leader, NIMS
/ Visiting Professor, Waseda University)



Break (10 min)

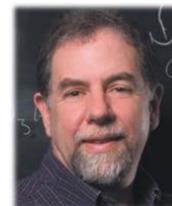
[3] Plenary Lectures (45 min x 2 = 90 min)

Time: 13:50 - 15:20 (Japan Standard Time) / 14:50 – 16:20 (Brisbane Time, Australia)

- Professor Takuzo Aida (The University of Tokyo, Japan)
Chair: Toru Asahi
“Supramolecular Polymerization: Its Significance and Applications”



- Professor Thomas E. Mallouk (University of Pennsylvania, USA)
Chair: Yoshiyuki Sugahara
“Managing Proton Gradients with Bipolar Membranes in CO₂ Electrolysis, Fuel Cells, and Redox Flow Batteries”



[4] Introduction of research group (15 min x 6 = 90 min) Chair: Yoshiyuki Sugahara

Time: 15:20 – 16:50 (Japan Standard Time) / 16:20 – 17:50 (Brisbane Time, Australia)

- Nano-Dimensional Control Group (Waseda University): Yusuke Asakura
- Nano-Structural Control Group I (NIMS): Joel Henzie
- Nano-Structural Control Group II (UQ): Md. Shahriar A. Hossain
- Nano-Hybrid Materials Group (NIMS): Jonathan P. Hill
- Nano-Materials Informatics Group (NIMS): Watcharop Chaikittisilp
- Nano-Materials Characterization Group (Waseda University): Tokihiko Yokoshima

[5] One min’s self-introduction of the ERATO’s core members (30 min) Chair: Toru Asahi

Time: 16:50 – 17:20 (Japan Standard Time) / 17:50 – 18:20 (Brisbane Time, Australia)

[6] Closing remarks (10 min) Chairs: Yoshiyuki Sugahara and Toru Asahi

Time: 17:20 – 17:30 (Japan Standard Time) / 18:20 – 18:30 (Brisbane Time, Australia)

- Professor Takayoshi Sasaki
(Director, International Center for Materials Nanoarchitectonics (WPI-MANA), NIMS)
- Professor Takuro Katsufuji
(Kagami Memorial Research Institute for Materials Science and Technology (ZAIKEN), Waseda University)

JST-ERATO Yamauchi Materials Space Tectonic Office

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- Australia Office: AIBN, UQ, Cnr College Rd & Cooper Rd, Brisbane, QLD 4072, Australia / Tel. +61-42-1716720

Links:

A prestigious honour and funding for Japan–Australia research collaboration

<https://aibn.uq.edu.au/article/2020/12/prestigious-honour-and-funding-japan%E2%80%93australia-research-collaboration>

Powering up an international collaboration with Japan

<https://www.arc.gov.au/news-publications/media/feature-articles/powering-international-collaboration-japan>

Japan's global connectors

<https://www.nature.com/articles/d41586-019-00831-5>

Australia's Top 40's Researchers - Superstars

<https://specialreports.theaustralian.com.au/1540291/9/>

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