

October 26, 2023  
13:30 -

Okuma Auditorium  
Waseda University, Tokyo



TGU International Symposium:  
**Energy and Nanomaterials  
for a Carbon Neutral Society  
in a Sustainable Future**

Organized by **Unit for Energy and Nanomaterials**  
**Top Global University Project**  
**Waseda University**



*The Energy & Nanomaterials Unit of the TGU Program  
– Our Decade and Beyond –*

**Takayuki Homma**

Executive Vice President and Vice Provost,  
Dept. of Applied Chemistry,  
Waseda University



*Trends and Policies  
on Carbon Neutral Research  
in Japan*

**Yasushi Sekine**

Dept. of Applied Chemistry,  
Waseda University



*Carbon Economy:  
Advances in Materials and  
Energy Research*

**Rigoberto C. Advincula**

Dept. of Chemical & Biomolecular  
Engineering, The University of Tennessee,  
Center for Nanophase Materials & Sciences, ORNL



*Carbon Pricing for  
Carbon Neutrality in Japan*

**Toshihide Arimura**

Faculty of Political Science &  
Economics, Waseda University



*Physical Electrochemistry Research  
in the United States:  
Energy-Related Technologies for a Carbon Neutral Future*

**Daniel A. Scherson**

Dept. of Chemistry,  
Case Western Reserve University



*Circular Economy and  
Materials for a Carbon Neutral Future*

**Kei Saito**

Grad. School of Advanced Integrated  
Studies in Human Survivability,  
Kyoto University



*European Trends and Cooperation with Japan  
in the Development of Energy and Materials  
for Carbon Neutrality ~A Personal Perspective~*

**Kazuyuki Kuroda**

Japan Society for the Promotion of Science (JSPS),  
Stockholm Office



*Australia to Waseda to Europe:  
Experiences and Impact on Research*

**Luke Wylie**

Dept. of Theoretical Chemistry,  
University of Bonn



*Towards net-zero carbon economy in Scandinavia*

**Martin Sjödin**

Dept. of Materials Chemistry & Engineering,  
Uppsala University



*In-situ Spectroscopic Measurements and  
Computational Analyses in TGU Activities*

**Masahiro Kunimoto**

Global Center for Science & Engineering,  
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Waseda University



*Sustainable Materials and Ecosystems Research  
in Germany for a Carbon Neutral Society*

**Rubén D. Costa**

Technical University of Munich Campus Straubing  
for Biotechnology & Sustainability



*Summary address for  
TGU International Symposium*

**Jinichi Igarashi**

ENEOS Research Institute, Ltd.  
Council on Competitiveness-Nippon (COCN)



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