

About Masao Horiba Awards

The Masao Horiba Award was established in 2003, to support scientists and experts who are devoting themselves to research and development that will generate innovative technology in analysis and measurement. It also aims to strengthen the position of measurement technologies within the scientific and industrial world. The field for the award is decided each year with a focus on the principles and fundamental technologies fostered by HORIBA, and the award highlights unique research and development with the findings and potential that deserves a global recognition.



Eligible fields

Analytical and measurement technologies that contribute to the use of hydrogen for a decarbonized society

Screening Committee

● Chairperson

YAMAJI Kenji

President, Research Institute of Innovative Technology for the Earth (RITE),
Professor Emeritus, The University of Tokyo Green Innovation Strategy Meeting

● Judges

Scott SAMUELSEN

Professor
Mechanical and Aerospace Engineering, University of California, Irvine

ISHITANI Osamu

Professor
School of Science, Chemistry, Tokyo Institute of Technology
Specially Appointed Professor, Department of Chemistry, Graduate School of
Advanced Science and Engineering, Hiroshima University

ISHIHARA Tatsumi

Professor
Deputy Director, International Institute for Carbon Neutral Energy, Kyushu University
Principal Professor, Department of Applied Chemistry, Faculty of Engineering
Department of Bioengineering, Kyushu University

SATOKAWA Shigeo

Professor
Faculty of Science and Technology, Seikei University

MIZUNO Yusuke

Department Manager, Alternative Energy Conversion Department,
Business Incubation Division, HORIBA, Ltd.

HANAKI Yasunari

Manager, New Energy Technology, Alternative Energy Conversion Center,
Business Incubation Division, HORIBA, Ltd.

Masao Horiba Awards Winners



Dr. SATO Katsutoshi

Designated Associate Professor
Department of Chemical Systems, Graduate School of Engineering,
Nagoya University

[Research Theme]

Design of Novel Catalytic Nitrogen Reduction Sites Based on Atomic-Resolution Electron Microscopic Analysis



Dr. TAKAHASHI Yasufumi

Professor,
Department of Electronics, Graduate School of Engineering,
Nagoya University

[Research Theme]

Development of the Electrochemical Imaging Technology for Visualizing Catalytic Active Site



Dr. NAKAMURA Takashi

Associate Professor
Institute of Multidisciplinary Research for Advanced Materials,
Tohoku University

[Research Theme]

Development of Electrochemical Techniques for Defect Engineering on Advanced Energy Materials

Honorable Mention Winner



Dr. TAKAHASHI Yukina

Associate Professor
International Institute for Carbon-Neutral Energy Research (I²CNER),
Kyushu University

[Research Theme]

Development of a Highly Efficient Hydrogen Generation System by Plasmon-Induced Charge Separation Using Sunlight as an Energy Source



Dr. Helge Sören STEIN

Tenure Track Professor,
Institute for Physical Chemistry (IPC) & Helmholtz Institute Ulm (HIU),
Karlsruhe Institute of Technology (KIT)

[Research Theme]

Data Driven Acceleration of Materials Discovery Through Integrated Correlative Spectroscopy, Synthesis, and Experimentation

* Editorial note: This content is based on HORIBA's investigation at the time of the award unless otherwise stated.