

## CURRICULUM VITAE

Feb 3<sup>rd</sup>, 2025

Name: Maki Kawai

President, National Institutes of Natural Sciences, Japan  
Director General, Center for Research and Development Strategy (CRDS), Japan Science and Technology Agency (JST)  
Member, The Japan Academy  
Professor Emeritus, The University of Tokyo,  
Honorary Scientist, RIKEN  
Honorary Fellow, Royal Society of Chemistry  
Fellow, American Physical Society  
Fellow, International Science Council

### Degrees:

B. Sc. March 1975      Department of Chemistry, University of Tokyo  
M. Sc. March 1977      Graduate School of Science, University of Tokyo  
D. Sc. June 1980      Graduate School of Science, University of Tokyo  
Chemistry Major

### Awards

1996 Saruhashi Award, for Woman Scientist, Japan  
2005 Japanese Surface Science Society Award, Japan  
2008 The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, Prize for Science and Technology (Research Category), Japan.  
2008 The Chemical Society of Japan (CSJ) Award  
2010 American Physical Society (APS) Fellow: For pioneering work on single-molecule spectroscopy on surfaces.  
2010 Surface Science Society of Japan Fellow: For Single molecule spectroscopy at surfaces  
2012 Mukai Award, Japan  
2015 The IUPAC 2015 Distinguished Women in Chemistry / Chemical Engineering  
2015 Gerhard Ertl Lecture award, Fritz-Haber Institute der Max Plank Society  
2016 American Vacuum Society, Medard W. Welch Award 2016  
2017 Humboldt Research Award, Germany  
2017 Medal with Purple Ribbon, Japan  
2018 Diels-Planck-Lecture, The priority research area Kiel Nano, Surface and Interface Science (KiNSIS) of Kiel University awards. Germany  
2019 Honorary Fellow, Royal Society of Chemistry. U. K.  
2019 L'Oreal-UNESCO Women in Science  
2021 Japan Academy Prize for "Single Molecule Spectroscopy Elucidating Chemical Reactions at Solid Surfaces"  
2021 Accredited as Person of Cultural Merits, Japan  
2022 Honorary member Physical Society of Japan  
2022 Lecturer Nagoya University  
2024 Okazaki City Honorary Citizen Award

### Professional Experience

1980-82 Postdoc: Contract Researcher, RIKEN  
1982-83 Postdoc: JSPS Fellow at The University of Tokyo

1983-84 Assistant, Osaka Industrial Research Institute, MITI  
1984-85 Postdoc: Contract Researcher, Osaka Gas Co.,  
1985-88 Researcher, Catalysis Lab., RIKEN  
1988-91 TDK Professor, Tokyo Institute of Technology  
1991-10 Chief Scientist, Director of Surface Chemistry Laboratory, RIKEN  
2004-17 Professor, Department of Advanced Materials Science, The University of Tokyo  
2010-15 Executive Director, RIKEN  
2015-16 Special Advisor to the President, RIKEN  
2016-22 Director General, Institute for Molecular Science  
2018-20 President, Chemical Society of Japan  
2021 -- Member, The Japan Academy  
2022 -- President, National Institutes of Natural Sciences  
2024 -- Director General, Center for Research and Development Strategy (CRDS), Japan  
Science and Technology Agency (JST)

### **Relevant Professional Services (selected)**

2001-04 Chair, Surface Science Division, IUUVSTA (International Union for Vacuum Science, Techniques, and Applications)  
2002-04 Board member, Institute of Physics, London, UK  
2003-07 Member of Intellectual Property Strategy Headquarters, Cabinet Secretariat, Japan  
2006-09 Supervisor, British year in Japan, British Embassy, Japan  
2007-12 Editorial board, Surface Science Report, Elsevier  
2007-12 Editorial board, Surface Science, Elsevier  
2008-15 European Research Council (ERC) PE4 Panel Member  
2010-19 Scientific Advisory Board at the Fritz Haber Institute of the Max Planck Society, Germany  
2011-23 Member, Science Council of Japan  
2014-17 Executive Board Member, Science Council of Japan  
2013-21 Member of Education Rebuilding Implementation Council, Expert panel, Cabinet Office, Japan  
2014-- Member, Committee on Industrial Science and Technology Policy and Environment, Industrial Structure Council, Ministry of Economy, Trade and Industry, Japan  
2016-- Member, Program Committee, World Premium Institute, JSPS, Japan  
2018-20 President, Chemical Society of Japan  
2019-- Member, Selection and Evaluation Committee, Institute for Basic Science, Korea  
2020-21 Member, subcommittee of the Basic Energy Sciences Advisory Committee (BESAC) of the Office of Science, U.S. Department of Energy.  
2020-- Scientific Advisory Board at Max Planck Institute for Solid State Research, Germany  
2020-- Member, Advisory Board for the Promotion of Science and Technology Diplomacy, Ministry of Foreign Affairs of Japan.  
2021-23 United Nations 10-Member Group to support the Technology Facilitation Mechanism  
2023-- Fellow, International Science Council