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Education:

1986 B. Eng. , Department of Inorganic Materials, Tokyo Institute of Technology

1988 Ms. Eng. , Department of Nuclear Engineering, Tokyo Institute of Technology

1991 Dr. Eng. , Department of Nuclear Engineering, Tokyo Institute of Technology

Work Experience:

1990 Research Fellow, Japan Society for the Promotion of Science

1991 Visiting Scientist, Los Alamos National Laboratory

1991 Postdoctoral Fellow, Los Alamos National Laboratory

1993 Postdoctoral Fellow, Research Development Corporation of Japan

1995 Research Associate, Research Laboratory of Engineering Materials, Tokyo Institute of Technology

2000 Associate Professor, Extreme Energy-Density Research Institute, Nagaoka University of Technology

2007 Associate Professor, Department of Electrical Engineering, Nagaoka University of Technology

2007 Professor, Department of Electrical Engineering, Nagaoka University of Technology

2012 Professor, Department of Nuclear System Safety Engineering, Nagaoka University of Technology

Academic Activities:

ACerS

Ceramic Society of Japan

Japan Society of Applied Physics

Japanese Society of Microscopy

Japan Society of Powder and Powder Metallurgy

Cryogenics and Superconductivity Society of Japan
Institute of Electrical Engineers of Japan

American Ceramics Society Activities:

2019-Present, Vice-chair, ECD
2018 Secretary, ECD
2014-2018 Chair, International Committee, ECD
2017 Session Co-organizer, PACRIM 12
2017 Session Co-organizer, ICACC 41
2016 Program Co-organizer, MS&T 16
2015 Program Co-organizer, MS&T 15
2013 Program Co-organizer, MS&T 13
2013 Session Co-organizer, ICACC 37

Awards:

1992 PhD Thesis Award, Tejima Seiichi Memorial Foundation
1997 Ceramic Society of Japan Award for Achievements in Ceramic Science and Technology, Ceramic Society of Japan
2014 Global Star Award, American Ceramic Society
2019 Fellow, Ceramic Society of Japan

Current Research Topics:

Development on new material/compound synthesis methods under extreme conditions
Novel high-T_c superconductors
Resistivity and magnetization change in oxides by adhesion of organic molecules

Publications

388

Patent

28