

ICHIRO TAKEUCHI

Professor

Department of Materials Science and Engineering
University of Maryland, College Park, MD 20742

Phone: 301-405-6809

Email: takeuchi@umd.edu

EDUCATION

Ph.D. Physics University of Maryland, College Park, MD August, 1996

B.S. Physics California Institute of Technology, Pasadena, CA June, 1987

EMPLOYMENT EXPERIENCE

7/2009 to present

Professor

Department of Materials Science and Engineering
University of Maryland, College Park, MD

2010 to present

Chief Technology Officer

Maryland Energy and Sensor Technologies, LLC
College Park, MD

2004 to present

Affiliate Professor

Department of Physics
University of Maryland, College Park, MD

8/2004 to 7/2009

Associate Professor

Department of Materials Science and Engineering, and Center for Superconductivity Research
University of Maryland, College Park, MD

7/1999 to 7/2004

Assistant Professor

Department of Materials Science and Engineering, Small Smart Systems Center, and Center for Superconductivity Research
University of Maryland, College Park, MD

9/1996-7/1999

Postdoctoral Research Fellow

Materials Sciences Division, Lawrence Berkeley National Laboratory, University of California, Berkeley, CA; Advisors: P. G. Schultz and X.-D. Xiang

8/1991-9/1996

Graduate Research Associate

Center for Superconductivity Research, Department of Physics
University of Maryland, College Park, MD

9/1987-8/1991

Member of the Technical Research Staff

Microelectronics Research Laboratories and Fundamental Research Laboratories
NEC Corporation, Kawasaki and Tsukuba, Japan

Visiting Professor Appointments

Tokyo University of Science, Tokyo, Japan	2009- present
Ruhr University Bochum, Germany	10/2009-11/2009
Institute for Solid State Physics, University of Tokyo, Kashiwa, Japan	4/2007-8/2007
Applied Ceramics Laboratory, Tokyo Institute of Technology, Yokohama, Japan	6/2004-3/2005

RESEARCH INTERESTS

Applications of combinatorial synthesis and characterization methodology to electronic, sensor/actuator, and energy materials. Fabrication and characterization of multilayer thin films and devices. Variable temperature scanning probe microscopes. Thirty years of experience in various aspects of thin-film deposition and characterization, MEMS device fabrication, and low temperature measurements.

PUBLICATIONS

Over 200 peer-reviewed articles. Total number of citations as of October 2016 (Google scholar): 7300; h-factor: 47.

FELLOWSHIPS, AWARDS, AND HONORS

Elected Fellow of American Physical Society (2010)
Invention of the Year Award, Office of Technology Commercialization, University of Maryland (2010)
Fellow by Special Appointment, Japan Science and Technology Agency (2007-2008)
Bruker Excellence in Diffraction Award (for the work performed by graduate students) (2005, 2006)
Guest Researcher, NIST, Gaithersburg, MD (2004-present)
NSF Career Award (2001)
Office of Naval Research, Young Investigator Program Award (2000)
Oak Ridge Associated Universities Ralph E. Powe Junior Faculty Enhancement Award (2000)
General Research Board Semester Research Award, University of Maryland (2000)
Associated Western Universities Postdoctoral Research Fellowship (1996-1999)
National Center for Electron Microscopy Visiting Scientist Fellowship, Lawrence Berkeley National Laboratory (1999)