

88 Prof. Eiji Ohtani



Name: Eiji Ohtani

Organization: Tohoku University, Graduate School of Science, Sendai, Miyagi, Japan

E-mail: ohtani@m.tohoku.ac.jp

Education

Tohoku University, Sendai, Japan, 1969-1973, B. Sc. Petrology, 1973

Graduate school of Science, Nagoya University, Nagoya, Japan, 1973-1978

M. Sc., Geophysics, 1975

D. Sc., Geophysics, 1979

Work Experience

1978.4.1-1980.3.31 Post-doctoral fellow from Japanese Association of Promotion of Science at Department of Earth Sciences, Nagoya University, Nagoya 464 Japan

1980.7.16-1982.3 Assistant Professor at Department of Earth Sciences, Faculty of Science, Ehime University, Matsuyama 790, Japan

1982.4-1984.3 Research Fellow at Research School of Earth Sciences, The Australian National University (Petrochemistry group), Canberra A.C.T., 2601, Australia

1984.4-1987.3.31 Assistant Professor of Geophysics at Department of Earth Sciences, Faculty of Science, Ehime University, Matsuyama 790, Japan

1987.4.1-1988.9.31 Associate Professor of Geophysics at Department of Earth Sciences, Faculty of Science, Ehime University, Matsuyama 790, Japan

1988.10.1-1994.6.30 Associate Professor of Mineral Physics at Institute of Mineralogy, Petrology, and Economic Geology, Tohoku University, Sendai 980, Japan

1994.7.1-present: Professor of Mineral Physics at Institute of Mineralogy, Petrology, and Economic Geology, Faculty of Science, Tohoku University, Sendai 980, Japan

2002-2007: Project leader of 21st century COE program of Earth Science, Tohoku University in Sendai

2008.4-2011.3: Distinguished Professor of Tohoku University

2011.8- present: Distinguished Professor of Tohoku University

2008.4-present: Project leader of Global COE program of Earth and Planetary Science, Tohoku University

Research Interests

High pressure geophysics,

Experimental petrology,

Mineral physics,

Comparative planetology,

Structure and evolution of the Earth and planets,

X-ray diffraction at high pressure and

Temperature (using synchrotron radiation),

Metal-silicate partitioning and core formation of the planet,
High pressure synthesis and kinetics of the high pressure minerals,
Stability of dense hydrous silicate phases at high pressure and temperature and effect of water on
mantle dynamics

Services&Awards

Post-doctoral fellowship from JSPS (Japanese Association of Promotion of Science), 1978-1980
Visiting Professor Award of Bayerisches Geoinstitut from DFG (German Science Foundation)
1995.

Mineralogical Society of Japan Award 1997

Reimei Research Award from Japan Atomic Energy Research Institute, 1998

Fellow of Mineralogical Society of America, 2002

Fellow of American Geophysical Union, 2006

N.L. Bowen Award from VGP section of 2007AGU, Dec., 2007.

N.L. Bowen Lecturer, 2007AGU Fall Meeting, Dec. 2007.

Distinguished Professor of Tohoku University, 2008.4.-2011.3, 2011.8-2014.3

Medal with Purple Ribbon, 2010, 11.03

Committee Responsibilities and Professional Activities

Member of AGU honors and recognition committee, 2006-2007, 2009-2012.

Member of Executive Committee for Rock and Mineral Physics, AGU: 1998-2000, 2001-2003,
2004-2006, 2006-2007, 2008-present

Member of Selection Sub-committee for Outstanding Student Award in Focus Group for Rock and
Mineral Physics, AGU, 2004-2006, 2007-2008

Member of Award Sub-committee in Focus Group for Rock and Mineral Physics, AGU,
2004-2006.

Member of Fellow Nomination Sub-committee of Focus group for Rock and Mineral Physics,
AGU, 2006-2008, 2009-present.

Member of Fellow Nomination Sub-committee of VGP section, AGU, 2006-2007.

Member of Award Nomination Committee, Geochemical Society, 2010-2012, 2012-present.

Member of International Commission on Physics and Chemistry of the Earth and Planetary
Materials (IASPEI-IAVCEI inter-commission) 1995-present

Vice President of Commission of Physics of Minerals, International Mineralogical Association
(IMA): 2003-2006, 2006-2007.

President of Commission of Physics of Minerals, International Mineralogical Association (IMA):
2008-present.

General Secretary of Organizing Committee for 19th International Mineralogical Association,
2006, Kobe.

Member of organizing committee of 6th High Pressure Mineral Physics Seminar (HPMPS-6),
Verbania, Italy: 2002

Chair of International Organizing Committee of 7th High Pressure Mineral Physics Seminar
(HPMPS-7), Matsushima, Japan: 2007.

Member of Founding Committee for Deep Carbon Observatory, 2009-present.

Member of Program Committee of the VGP section of AGU for 2010 WPGM Taipei, 2009-2010.

Member of Editorial Board of Journal of Mineralogical and Petrological Sciences, 2000-2006, 2009-present.

Guest Editor for Special Issues published by Physics of the Earth and Planetary Interiors, 1997, 2008, 2009.

Member of organizing committee of 8th High Pressure Mineral Physics Seminar (HPMPS-86), July 10-12, 2012.