

Curriculum Vitae

Shigenao MARUYAMA

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1 Academic Qualifications

B.Eng. 1977, Department of Mechanical Engineering II, Tohoku University, Japan
M.Sc. 1979, Department of Aeronautics, Imperial College, London University, UK
M.Eng. 1980, Department of Mechanical Engineering, Tohoku University, Japan
Dr. Eng. or PhD, 1983, Department of Mechanical Engineering, Tohoku University, Japan

2 Professional Carriers

1983 Research Associate(faculty member), Institute of High Speed Mechanics, Tohoku
University
1988 Visiting Scholar, School of Mechanical Engineering, Purdue University, USA
1989 Associate Professor, Institute of Fluid Science, Tohoku University
1997 Professor, Institute of Fluid Science, Tohoku University.
2005-2006 Specially Appointed Assistant to the President, Tohoku University
2006-2009 Councilor, Tohoku University
2006-2008 Special Advisor to President, Tohoku University
2006-2010 Special Advisor for Centenary Events and Alumni, Tohoku University
2008- Distinguished Professor

2003-2008 Project Leader of 21st Century COE Program “International COE of Flow
Dynamics”

2008-2012 Project Leader of Global COE Program, “World Center of Education and
Research for Trans-disciplinary Flow Dynamics”

3 Activity of Academic Societies

AIAA Associate Fellow 1995-

JSME Fellow 2004-

The Engineering Academy of Japan, Member, 2005-

Assembly of the World Conference on Experimental Heat Transfer, Fluid Mechanics and
Thermodynamics, member, 2005-

International Centre for Heat and Mass Transfer, Scientific Council, Member, 2006-

Editor, Experimental Heat Transfer, an International Journal, 2005-

Editor, Journal of Quantitative Spectroscopic and Radiative Transfer, 2004-

Editor, International Journal of Rotating Machinery, 2008-

Japan Society of Mechanical Engineers

1999-2001 Chairman, Publishing Committee, Thermal Engineering Division

1993-1994 Secretary, Thermal Engineering Division

2002-2004 Editor of JSME International Journal

2004-2006 Councilor of JSME

2008-2009 Chairman, Awarding Committee, Thermal Engineering Division

2008-2009 Editor, Transactions of Japan Society of Mechanical Engineers, Ser. B2

Heat Transfer Society of Japan

1998-2000 Vice Chairman of North-East Branch

1998-2000 Trustee

1998-2001 Chairman of International Exchange Committee

2001-2004 Chairman of International and Information Committee

2004-2006 Vice Chairman of North-East Branch

2002-2006 Editor of Thermal Science and Engineering

Japan Society for Aeronautical and Space Sciences

1991-1993 Secretary, Northern Section

2008-2009 Chairman, Northern Section

4 Awards

JSME Award for Young Engineers, 1989

Heat Transfer Society of Japan, Award for Scientific Contribution, 1998

JSME Medal for Outstanding Paper, 1999

Japan Society of Applied Electromagnetic and Mechanics, Best Technical Contribution Award, 2001

JSME Thermal Engineering Division, Award for Academic Achievements, 2001

Heat Transfer Society of Japan, Award for Technical Contribution, 2002

JSME Thermal Engineering Division, Award for Contribution, 2003

5 Research Areas

Radiative Heat Transfer in Complicated Systems

Heat-transfer Control under Extreme Conditions

Heat-transfer Control of Biological Organs

He has been teaching “Thermodynamics” in under graduate course, “Thermal Science and Technology” and “Thermal Phenomena under Extreme Conditions” in post graduate course of Department of Engineering at Tohoku University. He has published more than 200 academic papers and contributed more than 10 books. He is listed in Who’s Who in the World since 1995, and Who’s Who in Science and Engineering. He is chairmen of many international conferences i.e. : International Forum on Heat Transfer(IFHT2004), The 6th World Conference on Experimental Heat Transfer, Thermodynamics and Fluid Mechanics, 2005 and The 1st-7th International Conference on Flow Dynamics, 2004-2009. He is also editors of international academic journals and international committee members.