

CURRICULUM VITAE



Personal

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Born: October 19, 1952, Japan
Nationality Japan
Marital Status: Married

Academic Background

- 1982 **Ph.D.** in University of Manchester Institute of Science and Technology (UMIST), Manchester, U.K.
Thesis: Enhanced Heat Transfer in Pool Boiling
- 1979 **M.Sc.** in University of Manchester Institute of Science and Technology (UMIST), Manchester, U.K.
Thesis: Calculation of Compressible and incompressible Developing Flows
- 1977 **B.Eng.** in Doshisha University, Kyoto, Japan

Employment

Energy Conversion Research Center, Doshisha University, Japan

11.2007 – present Director

Faculty of science and engineering, Doshisha University, Japan

04.2010 – present Chairman of Department of Mechanical Engineering
04.1995 – present Professor
04.1989 – 03.1995 Associate Professor
04.1986 – 03.1989 Lecture

Engineering Institute, SHARP Electronics Corp, Japan

08.1982 – 03.1986 Vice Manager

University of Manchester Institute of Science and Technology (UMIST), Manchester, U.K.

10.1978 – 04.1982 Teaching Assistant

Department of Applied Mathematics , Ecole Central Paris, Paris, France

03.2007 – 02.2008 Visiting Professor

Department of Mechanical Engineering, Beijing Jiaotong University, Beijing, China.

06.2004 – 05.2006 Visiting Professor

Department of Mathematics, Bharathiar University, Coimbatore, India.

03.2004 – 02.2006 Visiting Professor

Institute of Fluid Science, Tohoku University, Sendai,. Japan.

08.2002 – 10.2002 Visiting Professor

Department of Mechanical Engineering, University of Toronto, Toronto, Canada.

04.1990 – 03.1991 Visiting Research Professor

Memberships in societies, associations:

Fellow of Royal Institution Grate Britain,
The American Institute of Physics,
Japan Society of Mechanical Engineers,
Magnetic Fluid Society of Japan (Chairman: 04.1998-06.2003) and etc.

Area of Expertise:

Experimental and computational fluid mechanics and Fluid engineering, involving basic study and applications for:

Magnetic fluids and Electro-rheological fluids;
Non-Newtonian and Viscoelastic fluids;
Supercritical CO₂ flow;
Solar energy conversion;
Ultra-low-temperature refrigeration