

Educations:

April 1994 - March 1998

B.S., Department of Engineering, Tohoku University

April 1998 - March 2000

M.S., Graduate School of Engineering, Tohoku University

April 2000 - March 2003

Ph.D., Graduate School of Engineering, Tohoku University

Professional Experiences:

April 2003 - March 2004

Research Fellow, Institute of Fluid Science, Tohoku University

April 2004 - March 2012

Assistant Professor, Institute of Fluid Science, Tohoku University

April 2012 – December 2017

Associate Professor, Institute of Fluid Science, Tohoku University

January 2018 – present

Professor, Institute of Fluid Science, Tohoku University

Concurrent Posts:

April 2008 - March 2012

Visiting Researcher, Kakuda Rocket Center, Japan Aerospace
Exploration Agency (JAXA)

April 2019 - present

Senior Researcher, Kakuda Rocket Center, Japan Aerospace
Exploration Agency (JAXA)

Field of Expertise:

Cavitation instabilities arising in Inducer of liquid propellant
rocket turbopump

Thermodynamic suppression effect of cavitation in cryogenic fluids
and hot water

Numerical analysis of unsteady cavitation and bubble collapse