

CURRICULUM VITAE

- Name:

AOKI, Kazuo

- Present titles:

- Honorary Chair Professor
Department of Mathematics
National Cheng Kung University, Tainan 70101, Taiwan
- Professor Emeritus
Kyoto University, Kyoto 606-8501, Japan

- Email

kazuo.aoki.22v@st.kyoto-u.ac.jp

- Degree:

Doctor of Engineering, Kyoto University

- Honor:

- Jubilee Professor, Chalmers University of Technology (2002)
- International Prize “Tullio Levi-Civita” (2013)
- Honorary Member of the Japan Society of Fluid Mechanics (2022)

- Education:

- Graduated from the Department of Aeronautical Engineering, Kyoto University in 1973
- Finished the Graduate School (Master Course) at the Department of Aeronautical Engineering, Kyoto University in 1975
- Finished the Graduate School (Doctor Course) at the Department of Aeronautical Engineering, Kyoto University in 1978

- Positions and titles:

- Research Associate, Department of Aeronautical Engineering, Kyoto University from 1978 to 1985
- Associate Professor, Department of Aeronautical Engineering, Kyoto University from 1985 to 1994
- Professor, Department of Aeronautics and Astronautics, Graduate School of Engineering, Kyoto University from 1994 to 2005
- Professor, Department of Mechanical Engineering and Science, Graduate School of Engineering, Kyoto University from 2005 to 2016
- Honorary Chair Professor, National Cheng Kung University from 2015 to present
- Visiting Research Fellow, National Center for Theoretical Sciences, National Taiwan University from 2016 to 2019
- Professor Emeritus, Kyoto University from 2016 to present

- International activities:

(Visits for one month and more)

- Visiting Research Fellow, Italian Government:
Politecnico di Milano (one year, 1981 – 1982)
- Visiting Research Fellow, Italian National Research Council (CNR):
Politecnico di Milano (one year, 1982 – 1983)
- Visiting Professor, CNR:
Politecnico di Milano (one month, 1986)
Politecnico di Milano, Università di Bologna (one month, 1988)
Università di Bologna (one month, 1989)
Università di Parma (one month, 1993)
- Invited Professor, Université Pierre et Marie Curie (Paris 6) (two months, 1991)
- Visiting Scientist, the Netherlands Organization for Scientific Research (NWO):
Leiden University (one month, 1996)
- Invited Professor, Université Paris 7 (two months, 1997)
- Visiting Scientist, the Royal Swedish Academy of Sciences (RSAS):
Chalmers University of Technology (one month, 1999)
- Invited Professor, Université Paris 7 (one month, 2001)
- Invited Professor, Université de Provence (one month, 2001)
- Invited Professor, Institut Henri Poincaré (one month, 2001)
- Jubilee Professor (150th Anniversary Visiting Professor), Chalmers University of Technology (three months, 2002)
- Invited Professor, Université Paul Sabatier (Toulouse 3) (one month, 2004)
- Visiting Scientist, Brazilian Academy of Sciences (ABC):
Universidade Federal do Paraná (one month, 2005)
- Invited Professor, Université Bordeaux 1 (one month, 2005)
- Visiting Professor, Università di Roma “La Sapienza” (Roma 1) (one month, 2005)
- Visiting Fellow, Weierstrass Institute of Applied Analysis and Stochastics (one month, 2006)
- Invited Professor, Université Bordeaux 1 (one month, 2008)
- Invited Professor, École Polytechnique (one month, 2009)
- Senior Researcher, Plasmax Project, La Fondation de Coopération Scientifique STAE:
Université Paul Sabatier (Toulouse 3) (three months, 2010)
- Visiting Fellow, Isaac Newton Institute for Mathematical Sciences (one month, 2010)
- Research Fellow, Institute for Computational and Experimental Research in Mathematics (ICERM), Brown University and Peabody Visiting Professor, Department of Mechanical Engineering, Massachusetts Institute of Technology (two months, 2011)
- Invited Professor, École Polytechnique (one month, 2013)
- Invited Professor, École Polytechnique (one month, 2015)
- Visiting Professor, Capital Normal University (one month, 2019)
- Visiting Professor, Università di Parma (three months, 2019)

(Conferences)

- Member of the Organizing Committee of *the Fourth International Workshop on Mathematical Aspects of Fluid and Plasma Dynamics* (Oct. 2 – 5, 1991, Kyoto, Japan)

- Member of the Advisory Committee of *the International Symposia on Rarefied Gas Dynamics* (from July, 2000 to July 2016)
- Chairman of the Organizing Committee of *the Sixth International Workshop on Mathematical Aspects of Fluid and Plasma Dynamics* (Sept. 19 – 23, 2004, Kyoto, Japan)
- Member of the Organizing Committee of *the 26th International Symposium on Rarefied Gas Dynamics* (July 19 – 24, 2008, Kyoto)
- Member of the Scientific Committee of *the Summer School on Methods and Models of Kinetic Theory (M & MKT)* (Porto Ercole, Italy) (from January 2008 to June 2016)
- Member of the Organizing Committee of *the ICERM Workshop on Boltzmann Models in Kinetic Theory* (Nov. 7 – 11, 2011, Providence, USA)
- Organizing Member of *the Conference on Kinetic Theory and Related Fields: Theoretical and Numerical Approaches* (Sept. 24 – 28, 2012, Kyoto, Japan)
- Organizing Member of *the RIMS Workshop, Kinetic Modeling and Related Equations: Conference in Memory of Seiji Ukai* (Oct. 28 – 30, 2013, Kyoto, Japan)
- Organizing Member of *the Conference, Recent Advances on Particle Systems in Kinetic Theory: A Celebration of Sasha Bobylev's Impact in the Mathematics and Computations of Kinetic Theory* (May 8 – 12, 2017, Austin, USA)
- Organizing Member of *the International Conference Nonlinear Analysis: Kinetic Theory, Gas Dynamics, and Related Fields* (Oct. 28 – 31, 2017, Taipei, Taiwan)
- Member of the Scientific Committee of *INdAM Workshop on Recent Advances in Kinetic Equations and Applications* (Nov. 11–15, 2019, Rome, Italy)
- Member of the Scientific Committee of *XXIII International Conference on Waves and Stability in Continuous Media (WASCOM 2025)* (June 9–13, 2025, Parma, Italy)

(Editorial boards)

- Member of the Editorial Board of *Kinetic and Related Models* (American Institute of Mathematical Sciences) (from January 2008 to December 2011)
- One of the three Editors-in-Chief of *Kinetic and Related Models* (American Institute of Mathematical Sciences) (from January 2012 to December 2020)
- Member of the Advisory Board of *Fluid Dynamics Research* (IOP Publishing) (from January 2009 to present)
- Member of the Advisory Board of *Rivista Matematica della Università di Parma* (Università di Parma) (from January 2010 to present)
- Member of the Editorial Board (Associate Editor) of *Acta Applicandae Mathematicae* (Springer Netherlands) (from January 2010 to December 2022)
- Member of the Editorial Board (Associate Editor) of *Communications in Computational Physics* (Global Science Press) (from January 2010 to December 2016)
- Member of Advisory Editorial Board of the series *Modeling and Simulation in Science, Engineering and Technology* (Springer–Birkhäuser Boston) (from January 2015 to present)