

Renjun DUAN

RESEARCH INTERESTS

Partial Differential Equations, Kinetic Theory, Fluid Dynamics

EDUCATIONS

- 2008: Doctor of Philosophy, City University of Hong Kong
 - Thesis title: *Some Mathematical Theories on the Gas Motion Under the Influence of External Forcing*
 - Advisor: Tong Yang
- 2005: Master of Philosophy, Central China Normal University
 - Thesis title: *Global Existence to Boltzmann Equation with External Force in Infinite Vacuum*
 - Advisor: Changjiang Zhu
- 2002: Bachelor of Science, Central China Normal University

EMPLOYMENT

- Professor, CUHK, 08/2022–present
- Associate Professor, CUHK, 2018–2022
- Assistant Professor, CUHK, 2012–2018
- Research Assistant Professor, CUHK, 2010–2012
- Postdoc, RICAM, 2008–2010 (Mentors: Peter Markowich and Massimo Fornasier)

HONORS AND AWARDS

- MoE Higher Education Outstanding Scientific Research Output Award in 2023, Second-class Award in Natural Sciences (2/3)
- World's Top 2% Scientists by Stanford University in the years 2020, 2021, 2022, 2023 (single-year impact) and in the years 2021, 2022, 2023 (career-long impact)
- Hong Kong Mathematical Society Outstanding Young Scholars Award in 2020
- Invited speaker at HYP2014 in Rio
- Zhong Jiaqing Mathematics Award in 2007, Chinese Mathematical Society

EDITORIAL BOARD

- Communications in Mathematical Analysis and Applications (2022–present)
- Kinetic and Related Models (2022–present)
- Discrete & Continuous Dynamical Systems - B (2020–present)
- Nonlinear Analysis: Real World Applications (2018–present)

RESEARCH GRANTS

- GRF from RGC in Hong Kong (PI, 11 times since 2011)
- NSFC/RGC Joint Research Scheme from RGC in Hong Kong (PI, 2020-23)