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 Science, 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 (Mentor: Peter Markowich and Massimo Fornasier)

HONORS AND AWARDS

- 2020 and 2021 Top 2% Most Cited Scientists Worldwide according to a study released by Stanford University
- Most cited mathematicians according to citations for each graduation year (`https://mathcitations.github.io`), Top 5 (Top 1 in Analysis) in year 2008
- HKMS Outstanding Young Scholars Award, Hong Kong Mathematical Society, 2020
- Invited speaker at HYP2014 in Rio
- Outstanding Thesis Award, City University of Hong Kong, 2008
- Zhong Jiaqing Mathematics Award, Chinese Mathematical Society (CMS), 2007

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 (10 times since 2011: 14301822, 14303321, 14301720, 14301719, 14302817, 14302716, 14301515, 409913, 400912, 400511)
- NSFC/RGC Joint Research Scheme from RGC in Hong Kong, PI (N_CUHK409/19)