



HU Guanghui (胡光辉)

Assistant Professor at Department of Mathematics, Faculty of Science and Technology

Education

Ph.D.,	Computational Mathematics,	Hong Kong Baptist University	2010
M.Phil.,	Computational Mathematics,	Sichuan University	2006
B.Sc.,	Computational Mathematics,	Sichuan University	2003

Current Research

- Adaptive numerical methods for partial differential equations, related numerical analysis, and applications in quantum mechanics and computational fluid dynamics.
- C++ library AFEABIC for (time-dependent) density functional theory, and C++ library AN-CFD for Euler and Navier-Stokes systems.

Working Experiences

- **Assistant Professor** at Department of Mathematics, University of Macau
Aug. 2012 - present
- **Visiting Scholar** at Institute of Applied Physics and Computational Mathematics, Beijing,
July-August, 2016
- **Visiting Research Associate** at Department of Mathematics, Michigan State University
Jan. 2010- Aug. 2012
- **Instructor** of Calculus II, Michigan State University
Fall 2011
- **Teaching Assistant** at Department of Mathematics, Hong Kong Baptist University
Numerical Algebra, Calculus 2006 - 2009
- **Teaching Assistant** at School of Mathematics, Sichuan University
Numerical Algebra, Elementary Calculus, C Language 2004 - 2006

Awards

- **The Best Thesis Award** of Hong Kong Mathematical Society 2010
- **The First Prize Winner** of the Third Student Paper Competition for Young Computational Mathematicians, China Society for Computational Mathematics 2007