



Guanghai Hu, 胡光辉

E11-3070, Department of Mathematics
Faculty of Science and Technology
University of Macau
Macao S.A.R., China.

Email: garyhu@um.edu.mo
Tel.: +853 8822 8544, Fax: +853 8822 2426
Personal Web.: <https://ghhu.github.io>
Official Web.: <https://www.fst.um.edu.mo/people/garyhu>

Education

Ph.D, Department of Mathematics, Hong Kong Baptist University	2010
M.Sc, College of Mathematics, Sichuan University	2006
B.Sc, College of Mathematics, Sichuan University	2003

Working Experience

Professor, Department of Mathematics, University of Macau	2025–present
Associate Professor, Department of Mathematics, University of Macau	2018–2025
Assistant Professor, Department of Mathematics, University of Macau	2012–2018
Postdoc, Department of Mathematics, Michigan State University	2010–2012

Teaching

Undergraduate: Mathematical analysis I&II • Advanced mathematics I&II • Introduction to Scientific Computing • Partial differential equations • Numerical analysis, Mathematical Modeling • Calculus (Michigan State University).

Postgraduate: Partial differential equations • Numerical methods for differential equations • Advanced engineering mathematics

Research Interest

Numerical solutions for partial differential equations, including the design and analysis of numerical methods, software development, and applications in computational physics.

Funding Acknowledgment

National Natural Science Foundation of China • Science and Technology Development Fund of Macao SAR • Guangdong Science and Technology Department • University of Macau

Professional Services

Member of Editorial Board, <i>Communications in Computational Chemistry</i>	2024–present
Member of Editorial Board, <i>Mathematica Numerica Sinica</i>	2024–present
Member of Executive Committee, China Society for Computational Mathematics,	2023–present
Member of Executive Committee, East Asian Section of SIAM	2021–present
Member of Editorial Board, <i>Communications in Computational Physics</i>	2020–present
Peer reviewer and Panelist of NSF of China and GDSTC,	2019–present
Member of Sixth Specialized Committee for Fundamental Science	
Chinese Association of Young Scientists and Technologists	2019–present
Associate Editor, <i>Advances in Applied Mathematics and Mechanics</i>	2018–present
Member of Specialized Committee for High-Performance Computing and Mathematical Software	
China Society for Industrial and Applied Mathematics	2018–present

Awards

Incentive Scheme for Outstanding Academic Staff, University of Macau	2023
Long Service Award, University of Macau	2023
FST Teaching Excellence Award, University of Macau – Nominee for University Award	2022
FST Teaching Excellence Award, University of Macau	2018
The Best Thesis Award, Hong Kong Mathematical Society	2010
The First Prize Winner, Third Student Paper Competition for Young Computational Mathematicians, China Society for Computational Mathematics	2007