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Education

Ph.D, Computational Mathematics, Hong Kong Baptist University, 2010.

M.Sc, Computational Mathematics, Sichuan University, 2006.

B.Sc, Computational Mathematics, Sichuan University, 2003.

Working Experience

Associate Professor, Department of Mathematics, University of Macau, 2018-present.

Assistant Professor, Department of Mathematics, University of Macau, 2012-2018.

Postdoc, Department of Mathematics, Michigan State University, 2010-2012.

Teaching

Teaching now: MATH2004 Mathematical Analysis II.

Taught:

Undergraduate: Mathematical analysis series • Advanced mathematics series • Partial differential equations • Numerical analysis • Calculus (Michigan State University)

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

Research Interest

I am interested in numerical solutions for partial differential equations, including the design and analysis of numerical methods, coding towards high performance computing, and applications in computational physics, specifically in computational fluid dynamics, electronic structure calculations, computational micromagnetics.

Professional Services

Associate editor of journals *Advances in Applied Mathematics and Mechanics* and *Communications in Computational Physics* • 中国工业与应用数学学会高性能计算与数学软件专业委员会委员 • 第六届中国青年科技工作者协会基础科学专业委员会委员

Awards

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