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RESEARCH INTERESTS

- Information Theory
- Coding Theory
- Network Coding
- Network Communication, Computation, and Security
- Quantum Information
- AI

ACADEMIC EXPERIENCE

Associate Professor

School of Science and Engineering (SSE), The Chinese University of Hong Kong, Shenzhen (CUHK(SZ))

⌚ 2023/07 – Ongoing 📍 Shenzhen, China

Assistant Professor

SSE, CUHK(SZ)

⌚ 2017/09 – 2023/06

Research Assistant Professor

SSE, CUHK(SZ)

⌚ 2015/09 – 2017/08

Research Associate

Institute of Network Coding, The Chinese University of Hong Kong

⌚ 2015/02 – 2015/08 📍 Hong Kong, China

Assistant Professor

Institute for Interdisciplinary Information Sciences, Tsinghua University

⌚ 2012/05 – 2015/01 📍 Beijing, China

Postdoctoral Fellow, Research Associate

Institute of Network Coding, The Chinese University of Hong Kong

⌚ 2010/01 – 2012/05 📍 Hong Kong, China

Postdoctoral Fellow

Department of Electrical and Computer Engineering, University of Waterloo

⌚ 2008/11 – 2009/11 📍 Waterloo, Canada

EDUCATION

Ph.D. in Information Engineering

The Chinese University of Hong Kong

⌚ 2004/08 – 2008/09 📍 Hong Kong, China

Thesis title: Coherent Network Error Correction

Master in Communication Engineering

Peking University

⌚ 2001/08 – 2004/07 📍 Beijing, China

Thesis: Linear Space Representation and Characteristics of MIMO Communication Systems

Bachelor in Electronics Science

Nankai University

⌚ 1997/08 – 2001/07 📍 Tianjin, China

ACHIEVEMENTS

🏆 Teaching Achievement Award, CUHK(SZ), 2023
for innovation in teaching Linear Algebra

❤️ 1 informative RFC is published by IRTF, 2023
about BATS coding scheme for network communications

❤️ Presidential Young Fellow, CUHK(SZ), 2020

🏆 Gold Medal, 47th International Exhibition of Inventions of Geneva, 2019
for a multi-hop wireless network solution based on network coding designed for smart lamppots

❤️ 1 monograph about BATS code is published, 2017

INDUSTRIAL EXPERIENCE

Co-founder

n-hop technologies

⌚ 2018 – Ongoing 📍 Hong Kong, China

Intern

Hitachi, Thomson

⌚ 2004/08–2005/06 📍 Beijing, China