Financial Mathematics

Dr. Stephen Chan

Associate Professor

His research areas include extreme value analysis and distribution theory in analyzing financial commodities data and cryptocurrency data.

Dr. Guillaume Leduc

Associate Professor

His areas of research and teaching interest are stochastic processes, and particularly super processes, actuarial mathematics and financial mathematics.

Dr. Yuanyuan Zhang

Assistant Professor

Her research focuses on statistical modeling, extreme value theory, distribution theory and data science with applications to finance, digital assets and medical science. Her current work investigates anomaly and fraud detection in blockchain networks, along with the role of blockchain in enhancing trust and transparency in digital economies. More broadly, she aims to integrate advanced statistical methods and network analysis to improve security and understanding within blockchain-based financial systems.

Dr. Ghada Alobaidi

Associate Professor

Her research interests include financial mathematics, mathematical modeling, partial differential equations and mathematics education.