

## Curriculum Vitae



### Dr Ding Qinxu

Lecturer, Finance Programme  
School of Business

Tel : +65 6240 8685

## Education Qualifications

- |             |   |
|-------------|---|
| 2015 - 2020 | Ph.D. in Engineering, Nanyang Technological University, Singapore |
| 2011 - 2015 | BSc. in Computational Mathematics, Nankai University, China       |

## Academic and Professional Experience

- |                |  |
|----------------|--|
| 2021 - Present | Lecturer, School of Business, Singapore University of Social Sciences, Singapore |
| 2020 - 2021    | Research Fellow, Alibaba – NTU Joint Research Institute, Singapore               |
| 2019 - 2020    | Visiting Scholar, Alibaba – NTU Joint Research Institute, Singapore              |

## Research Interests

- Explainable Machine Learning & Recommender System
- Numerical Partial Differential Equation
- Blockchain

## Selected Publications

- Y. Wang, Q. Ding, K. Wang, Y. Liu, X. Wu, J. Wang, Y. Liu and C. Miao, "The Skyline of Counterfactual Explanations for Machine Learning Decision Models", under review.
- Q. Kang, Y. Song, W. P. Tay and Q. Ding, "Stable Neural ODE with Lyapunov-Stable Equilibrium Points for Defending Against Adversarial Attacks", under review.
- Q. Ding and P. J. Y. Wong, "A Higher Order Numerical Scheme for Solving Fractional Bagley-Torvik Equation", under review.
- Q. Ding, Y. Liu, C. Miao, F. Cheng and H. Tang, "A Hybrid Bandit Framework for Diversified Recommendation", Proceedings of the 35th AAAI Conference on Artificial Intelligence, A Virtual Conference (2021).

- Q. Ding, P. J. Y. Wong, “A New Approximation for the Generalized Fractional Derivative and its Application to Generalized Fractional Diffusion Equation”, Numerical Methods for Partial Differential Equations (2021).
- Q. Ding, P. J. Y. Wong, “Quintic Non-polynomial Spline for Time-fractional Nonlinear Schrodinger Equation”, Advances in Difference Equations (2020).
- Q. Ding, P. J. Y. Wong, “A Higher Order Numerical Scheme for Generalized Fractional Diffusion Equations”, International Journal for Numerical Methods in Fluids (2020).
- Q. Ding, P. J. Y. Wong, “Mid-knot Cubic Non-polynomial Spline for a System of Second-order Boundary Value Problems”, Boundary Value Problems (2018).

*Updated on 25 July 2022 month*