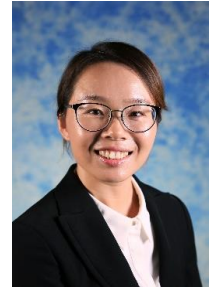# Professor DANG, PEI

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Academic Qualification:

2007-2011 Ph.D / Mathematics / University of Macau
2005-2007 Master /Mathematics / Wuhan University
2001-2005 Bachelor / Mathematics / Henan Normal University

Teaching Area

Calculus, linear algebra, advanced mathematics

Research Area

Harmonic analysis, Complex analysis, Time-frequency analysis

Working Experience

2023.07-present　Professor/ Faculty of Innovation Engineering/ Macau University of Science and Technology

2022.05-2023.06 Associate Professor/ Faculty of Innovation Engineering/ Macau University of Science and Technology

2016.07-2022.05 Associate Professor / Faculty of Innovation Engineering/ Macau University of Science and Technology

2011.11-2016.06 Assistant Professor / Department of General Education/ Macau University of Science and Technology

2019.09-2011.10 Lecture / Department / Department of General Education/ Macau University of Science and Technology

Academic Publication（selected）

1. Pei Dang, Weixiong Mai, Wenliang Pan, Uncertainty principle in random quaternion domains, Digital Signal Processing, vol. 136, 103988, May 2023, DOI: 10.1016/j.dsp.2023.103988.

2. Pei Dang, Chuang Li, Weixiong Mai, Wenliang Pan, Uncertainty principles for random signals, Applied Mathematics and Computation, vol.444, 1 May 2023, https://doi.org/10.1016/j.amc.2023.127833.

3. Pei Dang, Weixiong Mai, Tao Qian, Adaptive Decompositions in Monogenic Reproducing Kernel Hilbert Spaces of Paley–Wiener Type, Complex Analysis and Operator Theory, (2022) 32:50, https://doi.org/10.1007/s11785-022-01277-w.

4. Pei Dang, Weixiong Mai, Tao Qian, On Monogenic Reproducing Kernel Hilbert Spaces of the Paley–Wiener Type, Advances in Applied Clifford Algebras, 2022, 32(4): 1-29.

5. Pei Dang, Jinyuan Du, Tao Qian, Riemann Boundary Value Problems for Monogenic Functions on the Hyperplane, Advances in Applied Clifford Algebras, 32, Article number: 29 (2022).

6. Hongfang Bai, Ieng Tak Leong, Pei Dang, Reproducing Kernel Representation of the Solution of Second Order Linear Three-point Boundary Value Problem, Mathematical Methods in the Applied Sciences, 10.1002/mma.8443, 2022.

7. Xiaoyun Sun, Pei Dang, Ieng Tak Leong, Min Ku, Effective numerical evaluation of the double Hilbert transform, Mathematical Methods in the Applied Sciences, vol. 43, no. 7, pp. 4086-4106, 15 May 2020

8. Weifeng Li, Pei Dang, Zhihua Du, Guoan Guo·Yumei Li, Lp polyharmonic Robin problems on Lipschitz domains, Complex Variables and Elliptic Equations, vol. 65, no. 10, pp. 1777-1791, 2 OCT 2020

9. Pei Dang, Weixiong Mai, A remark on Riesz bases of subspaces in Hardy spaces, Complex Variables and Elliptic Equations, vol. 65, no. 11, pp. 1950-1961, November 1 2020.

Books

New Trends in Analysis and Interdisciplinary Applications, by Pei Dang, Min Ku, Tao Qian and Luigi G. Rodino, Birkhäuser Basel, 2017.

Professional Certification and Awards

2016.10.12 A third prize of Macau Natural Science Award