Quantum Symmetries in Noncommutative Algebraic Geometry

Professional Preparation

Fudan University, Shanghai China	Mathematics	Bachelor of Science, July 2007
University of Washington	Mathematics	Doctor of Philosophy, August 2014

Appointments

Howard University	Mathematics	Assistant Professor, 2018 - present
Temple University	Mathematics	Research Assistant Professor, 2015 - 2018
University of California, San Diego	Mathematics	Teaching Visitor, 2014 - 2015

Products

5 most relevant products:

- H. Huang, V. Nguyen, C. Ure, K. Vashaw, P. Veerapen and X. Wang, Twisting Manin's universal quantum groups and comodule algebras, preprint (2022), arXiv.2209.11621.
- H. Huang, V. Nguyen, C. Ure, K. Vashaw, P. Veerapen and X. Wang, A cogroupoid associated to preregular forms, preprint (2021), arXiv:2112.09098.
- H. Huang, V. Nguyen, C. Ure, K. Vashaw, P. Veerapen and X. Wang, Twisting of graded quantum groups and solutions to the quantum Yang-Baxter equation, to appear *Transform. Groups.*
- A. Chirvasitu, C. Walton, and X. Wang, On quantum groups associated to a pair of preregular forms, *J. Noncommut. Geom.* 13, no. 1 (2019), 115–159.
- C. Walton and X. Wang, On quantum groups associated to non-noetherian regular algebras of dimension 2, *Math. Z.*, 284, no. 1 (2016), 543–574.

Other significant products:

- C. Walton, X. Wang, and M. Yakimov, Poisson geometry and representations of PI 4-dimensional Sklyanin algebras, *Sel. Math.* 27, (2021), 1–60.
- J. Luo, X. Wang and Q.-S. Wu, Poisson Dixmier-Moeglin equivalence from a topological point of view, *Israel J. Math.* (2020), 1–37.
- J. Gaddis and X. Wang, The Zariski cancellation problem for Poisson algebras, *J. Lond. Math. Soc.* 101 (2020) no. 3, 1250–1279.
- C. Walton, X. Wang, and M. Yakimov, The Poisson geometry of the 3-dimensional PI Sklyanin algebras, *Proc. Lond. Math. Soc.* (3) 118, no. 6 (2019), 1471–1500.

- X. Wang, Isomorphism classes of finite dimensional connected Hopf algebras in positive characteristic, *Adv. Math.* 281 (2015), 594–623.

Synergistic Activities

- Concentration Advisor for Pure Mathematics for College of Arts and Sciences at Howard University: Give academic advices on undergraduate and graduate study in Pure Mathematics. 2020-present
- Member of algebra qualification exam committee at Math Department at Howard University: Prepare and evaluate algebra qualification exams for math graduate students. 2019-present
- Member of Assessment Council of The Graduate School at Howard University: This new council will work directly with the Graduate School deans to provide strategic leadership in the areas of program assessment, student and faculty engagement, and external research partnerships. 2019-2021
- Leader for several undergraduate research projects and supervised 2 graduate research projects and senior theses. 2016 - present
- Organizer for AMS and JMM special meetings. 2015 - present