Jared White

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Education

2014 – 2018: PhD at the University of Lancaster under the supervision of Professor Garth Dales and Doctor Niels Laustsen. Funded by the EPSRC.

      Thesis title: *Banach Algebras on Groups and Semigroups*.

      Date of award: 26th June 2018.

2010 – 2014: BA/MMath in Mathematics, University of Cambridge. Graduated in the top half of distinctions.

Employment

The Open University (Sept 2020 – present)
      Associate lecturer and visiting research fellow.

King's College London (Oct 2019 – present)
      Teaching assistant.

University of Buckingham (Jan 2023 – April 2023)
      Visiting lecturer.

University of Lancaster (Dec 2020 – April 2021)
      Lecturer in pure mathematics.

Peterhouse, University of Cambridge (Oct 2020 – May 2021)
      College undergraduate tutor.

University College London (Oct 2019 – April 2019)
      Demonstrator.

Laboratoire de Mathématiques de Besançon, Université de Franche-Comté (Sept 2018 – Sept 2019)
      Postdoctoral researcher. Supervised by Professor Uwe Franz.

Research Interests

Operator theory, group theory, functional analysis, abstract harmonic analysis, Banach and operator algebras associated with groups and semigroups.

Academic Publications and Preprints

[1] J. T. White, Weak*-simplicity of convolution algebras on discrete groups, arXiv:2309.15570 (18 pages).

[2] J. T. White, The ideal structure of measure algebras and asymptotic properties of group representations, to appear in the *Journal of Operator Theory*, arXiv:2106.07526 (21 pages).

[3] J. T. White, On the Dales-Żelazko conjecture for Beurling algebras on discrete groups, *Proceedings of the Edinburgh Mathematical Society* (2) **66** no.3 (2023), 613-624.

[4] J. T. White, Algebras associated with invariant means on the subnormal subgroups of an amenable group, *Quarterly Journal of Mathematics* **73** (2022), 495-515.

[5] N. J. Laustsen and J. T. White, Subspaces that can and cannot be the kernel of a bounded operator of a Banach space, *Proceedings of the 23rd International Conference on Banach Algebras and Applications,* De Gruyter Proceedings in Mathematics (De Gruyter 2020), 189-196.

[6] J.T. White, Left ideals of Banach algebras and Dual Banach algebras, *Proceedings of the 23rd International Conference on Banach Algebras and Applications,* De Gruyter Proceedings in Mathematics (De Gruyter 2020), 227-253.

[7] J. T. White, The Radical of the Bidual of a Beurling Algebra, *Quarterly Journal of Mathematics*, **69** (2018), 975-993.

[8] N. J. Laustsen and J. T. White, An infinite C*-algebra, with a dense, stably-finite *-subalgebra, *Proceedings of the American Mathematical Society,* **146** (2018), 2523-2528.

[9] J. T. White, Finitely-generated left ideals in Banach algebras on groups and semigroups, *Studia Mathematica*, **239** (2017), 67-99.

Other Activities

- Founder and organizer of an online research seminar entitled Groups, Operators, and Banach Algebras (April 2020 – July 2021).

- Invited speaker at the analysis seminar at the University of Glasgow in 2018, and the semigroups seminar at the University of York in 2017.

- Invited speaker at LMS Prospects in Mathematics 2019, a two-day event for university maths students who are considering doing a PhD.

- Spoke at numerous national and international conferences, including Banach Algebras and Applications (2015 Fields Institute, 2017 Oulu, 2019 University of Manitoba, 2022 University of Granada), Abstract Harmonic Analysis (2015 Dalhousie University, 2018 National Sun Yat-Sen University), Groups and Operators (2016 Chalmers University), Young Functional Analysts Workshop (2016 Queens University Belfast, 2017 Glasgow, 2018 Newcastle).

Prizes

- Outstanding Teaching Assistant Award, Department of Mathematics, King's College London, 2022.
- GTA (Graduate Teaching Assistant) Teaching Award, Department of Mathematics and Statistics, University of Lancaster, 2018.
- Dean's Award for PhD Excellence, First Year Category 2015: an award presented annually by the Faculty of Science and Technology at the University of Lancaster to a PhD student who has recently completed the first year, accompanied by a £1000 prize.

Skills
Coding
Able to program in Python and MATLAB, with teaching experience.

Languages
Native speaker of English. Fluent in French. Good knowledge of Russian. Some rudimentary knowledge of Japanese, Mandarin Chinese, and German.