Jared White

9 Argyle Road, Sheffield, United Kingdom, S8 9HG
Email address: jw65537@gmail.com **Mobile:** 07704154121

Employment

Teaching Assistant at Kings College London (Oct 2019 – April 2019)

Delivered complementary lectures for second year Real Analysis and second/third year Metric Spaces and Topology, marked homework, and held office hours.

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

Ran workshops for the second year course Mathematical Methods III, marked homework, and ran Python labs for first years taking Mathematical Methods I.

Postdoctoral Researcher at le Laboratoire de Mathématiques de Besançon (Sept 2018 – Sept 2019)

Conducted original high-quality research in pure mathematics and published in peer-reviewed journals.

Graduate Teaching Assistant at the University of Lancaster (2014 – 2018)

Ran undergraduate workshops for a many second, third, and fourth year modules in algebra, analysis, and number theory. Examiner for second year Complex Analysis in 2018. Academic advisor for Hilbert Space exam in 2015 and 2017. Gave revision lectures for Hilbert Space and Complex Analysis. Participated in out-reach events and open days.

Modules taught: Real Analysis; Linear Algebra; Groups and Rings; Number Theory; Groups and Symmetry; Rings, Fields, and Polynomials; Hilbert Space; Problem Solving.

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 defence: 20th April 2018.

2013 – 2014: MMath in Mathematics, University of Cambridge (Part III). Graduated in the top half of distinctions.

2010 – 2013: BA in Mathematics, University of Cambridge. Graduated with an upper second class.

2002 – 2009: High Storrs Comprehensive Secondary School, Sheffield. I left with four A-levels at grade A in Maths, Further Maths, Russian, and French.

Skills

IT Skills

Proficient in the use of Zoom and MS Teams for online teaching and running online research seminars. Able to program in Python and MATLAB. Also some experience of C++. Proficient in Latex, as well as common packages such as Microsoft Word and Microsoft Excel.

Languages

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

Prizes

- 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.

Other Activities

- Organised online research seminar entitled Groups, Operators, and Banach Algebras (April 2020 – present).
- Invited speaker at LMS Prospects in Mathematics 2019, a two-day event for university maths students who are considering doing a PhD.
- Invited speaker at the analysis seminar at the University of Glasgow in 2018, and the semigroups seminar at the University of York in 2017.
- Spoke at numerous national and international conferences, including Banach Algebras and Applications (2015 Fields Institute, 2017 Oulu, 2019 University of Manitoba), Abstract Harmonic Analysis (2015 Dalhousie University, 2018 National Sun Yat-sen University), Groups and Operators (2016 Chalmers University), Young Functional Analysts Worskshop (2016 Queens University Belfast, 2017 Glasgow, 2018 Newcastle) .

Research Interests

Group theory, Functional analysis, abstract harmonic analysis, Banach and operator algebras associated with groups and semigroups, operator theory.

Academic Publications

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

[2] 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.

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

[4] N.J.Laustsen and J.T.White, Subspaces that can and cannot be the kernel of a bounded operator of a Banach space, to appear in *Proceedings of the 23rd International Conference on Banach algebras and Applications*, (6 pages), arXiv:1811.02399.

[5] J.T. White, Left ideals of Banach algebras and dual Banach algebras, to appear in *Proceedings of the 23rd International Conference on Banach algebras and Applications* (21 pages), arXiv:1612.05915.

References

Head of teaching at Lancaster:

Dr. Mark MacDonald,
Department of Mathematics and Statistics,
Fylde College, Lancaster University,
Lancaster,
LA1 4YF,
United Kingdom.
Email: m.macdonald@lancaster.ac.uk

Line manager at KCL:

Dr. Tobias Hartung
Department of Mathematics,
Strand Campus,
The Strand,
London,
WC2R 2LS,
United Kingdom.
Email: tobias.hartung@kcl.ac.uk