

# Jared White

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## Research Interests

Functional analysis, abstract harmonic analysis, Banach and operator algebras associated with groups and semigroups, operator theory, locally compact quantum groups.

## Employment

**Sept 2018 -present** Postdoctoral Researcher at le Laboratoire de Mathématiques de Besançon, working with Professor Uwe Franz.

## 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: 20<sup>th</sup> 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.

## Academic Papers

[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.

## Preprints

[5] J.T. White, Left ideals of Banach algebras and Dual Banach algebras, *submitted* (20 pages), arXiv:1612.05915.

## Conferences and Talks

**July 2018** I spoke at Abstract Harmonic Analysis 2019 at National Sun Yat-Sen University in Kaohsiung, Taiwan. Received local financial support.

**March 2018** I spoke at the Young Functional Analysts' Workshop at the University of Newcastle.

**January 2018** I spoke at the weekly Analysis Seminar at the University of Glasgow.

**July 2017** I spoke at Banach Algebras and Applications 2017 at the University of Oulu.

**April 2017** I spoke at the Young Functional Analysts' Workshop at the University of Glasgow.

**November 2016** I was invited to speak at the weekly semigroups seminar at the University of York.

**August 2016** I spoke at Groups and Operators, Chalmers University, Gothenburg. Received local financial support.

**April 2016** I spoke at the Young Functional Analysts' Workshop at Queen's University Belfast.

**August 2015** I spoke at Abstract Harmonic Analysis 2015 at Dalhousie University in Halifax, Nova Scotia.

#### **Other conferences**

- Conferences I have attended, and for which I was financially supported by the conference: Young Mathematicians in  $C^*$ - algebras 2018; Young Mathematicians in  $C^*$ - algebras 2017; The British Maths Colloquium, University of Durham 2017; Young Mathematicians in  $C^*$ - algebras 2016; The Stone-Čech Compactification: Theory and Applications, University of Cambridge 2016; The Joint British Maths Colloquium and British Applied Maths Colloquium, University of Cambridge, 2015.
- Also attended: Les Journées annuelles du GDR Analyse Fonctionnelle, Harmonique et Probabilités, Laboratoire J.A. Dieudonné, Nice 2018; The British Maths Colloquium, University of Bristol, 2016; Banach Algebras and Applications 2015, held at the Fields Institute in Toronto in August 2015.
- Regularly attended meetings of the North British Functional Analysis Seminar, and the Scottish Operator Algebras Seminar between 2014 and 2018.

#### **Prizes**

- 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.
- GTA (Graduate Teaching Assistant) Teaching Award, Department of Mathematics and Statistics, University of Lancaster, 2018.

#### **Teaching Experience**

- Worked as a graduate teaching assistant for Lancaster University between 2014 and 2018. This involved leading workshops for second, third and fourth year undergraduates, marking their work and providing feedback. Won an award for teaching excellence at Lancaster in 2018.
- On three occasions I have covered revision lectures in the lecturer's absence.
- Was employed to mark the second year complex analysis exam at the University of Lancaster in 2018. Also assisted with the marking of first year exams.
- Volunteered four years running for Florence Nightingale Day: a maths activity day for sixth-form girls hosted annually by Lancaster University.
- Gave 'mini-lectures' about mathematics to sixth-form students at university open days for three years running.

#### **Skills**

##### **Languages**

- Native speaker of English.
- Able to read academic papers in French.
- Good knowledge of Russian.
- Some rudimentary knowledge of Japanese and German.

**IT Skills**

- Proficient in Latex.
- Able to program in MATLAB. Also some experience of C++.
- Proficient in use of common packages such as Microsoft Word and Microsoft Excel.

**Public Speaking**

- Experience speaking at conferences (see above).
- I have given a 3-4 talks per year at my home university since Octobre 2014.

**References**

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