

Jonathan M. Fraser - short CV

last updated: October 14, 2022

EMPLOYMENT & EDUCATION

- Aug 2021 – present: Professor of Mathematics and Statistics, University of St Andrews.
- Aug 2018 – Jul 2021: Reader in Mathematics and Statistics, University of St Andrews.
- Aug 2016 – Jul 2018: Lecturer in Mathematics and Statistics, University of St Andrews.
- Sep 2014 – Jul 2016: Lecturer in Pure Mathematics, University of Manchester.
- Jul 2013 – Aug 2014: Research Fellow, University of Warwick, EPSRC funded.
- Sep 2009 – Jun 2013: PhD in Pure Mathematics, University of St Andrews, EPSRC funded.
- Sep 2005 – May 2009: M.Math (with Hons), First Class, University of St Andrews.

RESEARCH ACTIVITY

My research interests centre on fractal geometry and its connections with other fields. I have written 74 research articles, 5 survey articles, and a book: *Assouad Dimension and Fractal Geometry*, CUP, *Tracts in Mathematics Series*, **222**, (2020). To date, 66 research articles have been accepted for publication by internationally leading peer reviewed journals including:

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| • Advances in Mathematics ($\times 4$) | • Indiana University Mathematics Journal ($\times 5$) |
| • American Mathematical Society Journals ($\times 11$) | • International Mathematics Research Notices ($\times 2$) |
| • Analysis & PDE | • Israel Journal of Mathematics |
| • Ergodic Theory and Dynamical Systems ($\times 7$) | • London Mathematical Society Journals ($\times 4$) |

I have over 1100 citations and an h-index of 19 (Google Scholar). I have given over 70 (external) research talks and am regularly invited to speak at large international conferences, including the opening keynote lecture at *Fractal Geometry and Stochastics VI* in 2018. I have refereed over 50 research articles, including for *Inventiones Mathematicae* and *Transactions of the American Mathematical Society*. I have also refereed for the *Springer Undergraduate Mathematics Series* and the *EPSRC*.

SELECTED FINANCIAL SUPPORT AND FELLOWSHIPS

- 2021-22: RSE Sabbatical Research Grant - £62,916
- 2019-23: Leverhulme Trust Research Project Grant (PI) - £324,135
- 2018-21: EPSRC Standard Grant (PI) - £336,123
- 2016-18: Leverhulme Trust Research Fellowship - £48,003

SELECTED EXTERNAL ROLES

- 2022-: *Proceedings of the Royal Society of Edinburgh (Section A, Mathematics)*, Editor-in-Chief
- 2022-: *Journal of Fractal Geometry*, Editor
- 2020-22: *REF 2021, Sub-panel 10: Mathematical Sciences*, panel member and output assessor
- 2017-: *Newsletter of the London Mathematical Society*, Editor
- 2015-: *Proceedings of the Royal Society of Edinburgh (Section A, Mathematics)*, Editor

SELECTED AWARDS

- 2022: *RSE Early Career Medal in Physical, Engineering & Informatic Sciences*.
- 2018: Selected for membership of the *RSE Young Academy of Scotland*.
- 2015: *Best Lecturer within the Faculty of Engineering and Physical Sciences* - University of Manchester.
- 2013: *Best Postgraduate Tutor* - St Andrews Students' Association Teaching Awards.