AMLAN BANAJI - TALKS

49. Fourier decay of nonlinear images of self-similar measures
University of Helsinki Geometric and Functional Analysis Seminar, Finland, 17/4/25

48. Quantitative Fourier decay of nonlinear images of self-similar measures
University of Jyväskylä Analysis Seminar, Finland, 2/4/25

47. Coincidence and disparity of fractal dimensions for dynamically defined sets
IMPAN Dynamical Systems seminar, Warsaw, Poland, 17/2/25

46. Coincidence and disparity of fractal dimensions for dynamically defined sets
University of Manchester Dynamical Systems and Analysis seminar, UK, 25/11/25

45. Invited minicourse, Fourier decay for nonlinear fractal measures
Focused workshop on harmonic analysis methods in fractal geometry, Erdős Center, Budapest, Hungary, 4/11/24–8/11/24

44. Fourier decay for nonlinear pushforwards of self-similar measures
Fractal Geometry and Stochastics 7, Chemnitz, Germany, 26/9/24

43. Tools for studying Fourier transforms of self-similar measures
Invited talk, Afternoon workshop on Fourier analysis, fractals, and finite fields, St Andrews, UK, 18/9/24

42. Fourier decay for self-conformal measures
Workshop on the Geometry of Deterministic and Random Fractals II, Rényi Institute, Budapest, Hungary, 2/9/24

41. Lower box dimension of infinitely generated self-conformal sets. Slides (edited)
Geometry and fractals under the midnight Sun conference, Oulu, Finland, 27/6/24

40. When does the box dimension of a fractal exist?
British Mathematical Colloquium (BMC), Manchester, UK, 19/6/24

39. Overlapping iterated function systems
Keynote talk, British Early Career Mathematicians' Colloquium, Birmingham, UK, 14/6/24

38. Which numbers are normal?
Outreach talk, Pint of science, Loughborough, UK, 15/5/24

37. Fourier decay of fractal measures and their pushforwards
University of Jyväskylä Geometric Analysis Seminar, Finland, 1/2/24

36. The Assouad spectrum of Gatzouras–Lalley carpets
University of Oulu Analysis Seminar, Finland, 26/1/24

35. Fourier decay of fractal measures and their pushforwards
University of Warwick Ergodic Theory and Dynamical Systems Seminar, UK, 7/11/23

34. The Assouad dimension and its variants in fractal geometry
Loughborough University Dynamical Systems Seminar, UK, 4/10/23

33. Generalised intermediate dimensions. Slides
Fractal Geometry (celebrating Prof. Kenneth Falconer's 70th birthday), ICMS, Edinburgh, UK, 4/7/23

32. Multifractal analysis on Bedford-McMullen carpets
Multifractal analysis and self-similarity, CIRM, Luminy, Marseille, France, 30/6/23

31. Fourier decay of non-linear images of self-similar measures. [Slides](#)
[Diophantine Approximation, Dynamics, and Fractals](#), Exeter, UK, 22/6/23

30. Dimensions of continued fraction sets
[Thermodynamic Formalism: Non-additive Aspects and Related Topics](#), Będlewo, Poland, 16/5/23

29. Dimensions of infinitely generated self-conformal sets
[University of Bristol Ergodic Theory and Dynamical Systems Seminar](#), UK, 13/3/23

28. Recovering the interpolation between dimensions
[St Andrews Analysis Seminar](#), 1/11/23

27. Dimensions of infinitely generated self-conformal sets
[University of Edinburgh Analysis Seminar](#), UK, 13/3/23

26. Dimensions of self-affine sets
St Andrews University Mathematics Society, 9/3/23

25. Dimensions of self-affine carpets. [Slides](#). [Video](#).
[One World Fractals](#), 18/1/23

24. Orthogonal projections of fractals and the digital sundial. [Slides](#)
Postgraduate Interdisciplinary Mathematics Symposium (PIMS) St Andrews, The Burn House (Edzell, Scotland), 16/1/23

23. The popcorn function
St Andrews Pure Postgraduate Seminar, 8/12/22

22. Metric spaces where geodesics are never unique. [Slides (edited)](#)
St Andrews Mathematics Research Day, 1/12/22

21. Metric spaces where geodesics are never unique
[St Andrews Analysis Seminar](#), 1/11/22

20. Intermediate dimensions. [Slides](#)
Inaugural talk, [Szenzhen Technology University Mathematics Colloquium](#), China (online), 22/10/22

19. Metric spaces where geodesics are never unique
St Andrews Pure Postgraduate Seminar, 5/10/22

18. Intermediate dimensions of Bedford–McMullen carpets. [Slides](#)
[Fractals and Related Fields IV](#), Porquerolles, France, 5/9/22

17. Dimensions of infinitely generated self-conformal sets. [Slides](#)
[Geometry of Deterministic and Random Fractals](#), Budapest University of Technology and Economics, Hungary, 30/6/22

16. Dimensions of infinitely generated self-conformal sets. [Slides](#)
[University of Warwick's Dynamics and Group Geometry Early Researchers (DAGGER) Seminar](#), 30/5/22

15. Intermediate dimensions of Bedford–McMullen carpets. [Slides](#)
[Workshop on affine and overlapping iterated function systems](#), University of Bristol, 11/5/22

14. Assouad spectrum of infinitely generated self-conformal sets.
[St Andrews Analysis Seminar](#), 3/5/22

13. History of Bedford–McMullen carpets
Postgraduate Interdisciplinary Mathematics Symposium (PIMS) St Andrews, The Burn House (Edzell, Scotland), 13/4/22

12. Intermediate dimensions
[Junior Ergodic Theory Meeting](#), ICMS (Edinburgh), 30/3/22

11. Dimensions of Bedford–McMullen carpets. [Slides](#)
St Andrews Pure Postgraduate Seminar, 15/11/21

10. Intermediate dimensions of Bedford–McMullen carpets. [Slides](#) (edited), [Video](#)
[St Andrews Analysis Seminar](#) (online), 12/10/21

9. Dimensions of continued fraction sets. [Slides](#)
[Online Fractal Talks](#), 4/6/21

8. Dimensions of infinitely generated attractors. [Slides](#) (edited), [Video](#)
[St Andrews Analysis Seminar](#) (online), 20/4/21

7. Dimensions for infinite iterated function systems
St Andrews Pure Postgraduate Seminar (online), 5/4/21

6. Intermediate dimensions and infinite conformal iterated function systems. [Slides](#)
Junior Ergodic Theory Seminar (JETS) (online), 19/3/21

5. Intermediate dimensions and infinite conformal iterated function systems
[University of Warwick's Dynamics and Group Geometry Early Researchers (DAGGER) Seminar](#) (online), 1/3/21

4. Interpolating between the Hausdorff and box dimensions. [Slides](#)
Postgraduate Interdisciplinary Mathematics Symposium (PIMS) St Andrews (online) 26/1/21–27/1/21

3. New intermediate dimensions
[St Andrews Analysis Seminar](#) (online), 30/6/20

2. Weak tangents in dimension theory
Postgraduate Interdisciplinary Mathematics Symposium (PIMS) St Andrews, The Burn House (Edzell, Scotland), 28/1/20

1. Analysis on some post-critically finite self-similar sets
St Andrews Pure Postgraduate Seminar, 5/11/19