

Oscar Randal-Williams

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RESEARCH INTERESTS Algebraic and Geometric Topology: diffeomorphism groups, moduli spaces, cobordism categories, spaces of manifolds, surgery theory, configuration spaces, characteristic classes, K-theory, applications of homotopy theory to geometry.

POSITIONS

- ◇ **University of Cambridge**, (October 2017 –)
Reader.
- ◇ **King’s College, University of Cambridge**, (October 2016 –)
Ordinary fellow.
- ◇ **University of Cambridge**, (October 2013 – 2017)
University Lecturer.
- ◇ **King’s College, University of Cambridge**, (October 2012 – September 2016)
Research fellow.
- ◇ **University of Cambridge**, (October 2012 – October 2013)
Herchel Smith postdoctoral research fellow.
- ◇ **University of Copenhagen**, (September 2010 – September 2012)
Postdoctoral position and member of the Centre for Symmetry and Deformation.
- ◇ **Mathematical Institute, University of Oxford**, (January – August 2010)
EPSRC PhD Plus postdoctoral position.
- ◇ **Jesus College, University of Oxford**, (October – December 2009)
Retained lecturer in Mathematics.

EDUCATION

- ◇ **Jesus College, University of Oxford**, (2006 – 2009)
DPhil Mathematics, 2009.
Thesis title: *Stable moduli spaces of manifolds*.
Supervisor: U. Tillmann.
- ◇ **Jesus College, University of Oxford**, (2002 – 2006)
MMath Mathematics, First Class Honours.

GRANTS

- ◇ ERC Starting Grant, 756444 (HToMS), €974,526.
- ◇ EPSRC First Grant, EP/M027783/1, £90,898.
- ◇ LMS Scheme 1 grant, £5,000 (with J. Giansiracusa).

HONOURS AND AWARDS

- ◇ Whitehead prize of the London Mathematical Society, 2017.
- ◇ Oxford University Senior Mathematical Prize 2007.

PUBLICATIONS

O. Randal-Williams and N. Wahl, *Homological stability for automorphism groups*.
Advances in Mathematics **318** (2017) 534-626.

S. Galatius and O. Randal-Williams, *Homological stability for moduli spaces of high dimensional manifolds. I*, 43 pages.
Journal of the American Mathematical Society, to appear.

- O. Randal-Williams, *Cohomology of automorphism groups of free groups with twisted coefficients*, 20 pages.
Selecta Mathematica, to appear.
- S. Galatius and O. Randal-Williams, *Homological stability for moduli spaces of high dimensional manifolds. II*.
Annals of Mathematics **186** (1) (2017) 127-204.
- B. Botvinnik, J. Ebert, and O. Randal-Williams, *Infinite loop spaces and positive scalar curvature*.
Inventiones mathematicae **209** (3) (2017), 749-835.
- O. Randal-Williams, *An upper bound for the pseudoisotopy stable range*.
Mathematische Annalen **368** (3) (2017), 1081-1094.
- S. Galatius, I. Grigoriev, and O. Randal-Williams, *Tautological rings for high dimensional manifolds*.
Compositio Mathematica **153** (4) (2017) 851-866.
- F. Cantero and O. Randal-Williams, *Homological stability for spaces of surfaces*.
Geometry & Topology **21** (2017) 1387-1467.
- S. Galatius and O. Randal-Williams, *Abelian quotients of mapping class groups of highly connected manifolds*.
Mathematische Annalen **365** (1) (2016) 857-879.
- O. Randal-Williams, *Resolutions of moduli spaces and homological stability*.
Journal of the European Mathematical Society **18** (2016) 1-81.
- J. Ebert and O. Randal-Williams, *Torelli spaces of high-dimensional manifolds*.
Journal of Topology **8** (1) (2015) 38-64.
- S. Galatius and O. Randal-Williams, *Stable moduli spaces of high dimensional manifolds*.
Acta Mathematica **212** (2014), no. 2, 257-377.
- S. Galatius and O. Randal-Williams, *Detecting and realising characteristic classes of manifold bundles*.
Algebraic Topology: Applications and New Directions (Stanford, CA, 2012), Contemp. Math.
- J. Ebert and O. Randal-Williams, *Generalised Miller-Morita-Mumford classes for block bundles and topological bundles*.
Algebraic & Geometric Topology **14** (2014) 1181-1204.
- O. Randal-Williams, *“Topological chiral homology” and configuration spaces of spheres*.
Morfismos (MIMS proceedings issue), **17** (2) (2013) 57-70.
- O. Randal-Williams, *Homology of the moduli spaces and mapping class groups of framed, r -Spin and Pin surfaces*.
Journal of Topology **7** (1) (2014) 155-186.
- O. Randal-Williams, *“Group-Completion”, local coefficient systems, and perfection*.
Quarterly Journal of Mathematics **64** (3) (2013) 795-803 .
- O. Randal-Williams, *The space of immersed surfaces in a manifold*.
Mathematical Proceedings of the Cambridge Philosophical Society **154** (3) (2013) 419-438.
- O. Randal-Williams, *Relations among tautological classes revisited*.
Advances in Mathematics, **231**(3-4) (2012) 1773-1785.
- O. Randal-Williams, *The Picard group of the moduli space of r -Spin Riemann surfaces*.
Advances in Mathematics, **231**(1) (2012) 482-515.
- J. Ebert and O. Randal-Williams, *Stable cohomology of the universal Picard varieties and the extended mapping class group*.
Documenta Mathematica, **17** (2012) 417-450.

O. Randal-Williams, *Homological stability for unordered configuration spaces*. Quarterly Journal of Mathematics, **64**(1) (2013) 303–326.

O. Randal-Williams, *Embedded cobordism categories and spaces of submanifolds*. International Mathematics Research Notices **3** (2011) 572–608.

S. Galatius and O. Randal-Williams, *Monoids of moduli spaces of manifolds*. Geometry & Topology **14**(3) (2010) 1243–1302.

O. Randal-Williams, *The homology of the stable non-orientable mapping class group*. Algebraic & Geometric Topology **8** (2008) 1811–1832.

J. Ebert and O. Randal-Williams, *On the divisibility of characteristic classes of non-orientable surface bundles*. Topology and its Applications **156** (2008) 246–250.

- PREPRINTS
- F. Hebestreit, M. Land, W. Lück, and O. Randal-Williams *A vanishing theorem for tautological classes of aspherical manifolds*, 35 pages. arXiv:1705.06232.
 - J. Ebert and O. Randal-Williams, *Semi-simplicial spaces*, 32 pages. arXiv:1705.03774.
 - O. Randal-Williams, *Some phenomena in tautological rings of manifolds*, 21 pages. arXiv:1611.03038.
 - O. Randal-Williams, *The stable cohomology of automorphisms of free groups with coefficients in the homology representation*, 9 pages. arXiv:1012.1433.

TEACHING EXPERIENCE ♦ **Lecturer** (at Cambridge)

- Part IB Groups, Rings, and Modules, Lent 2016, 2017, 2018.
- Part II Algebraic Topology, Michaelmas 2013, again 2014.
- Part III Homotopy Theory, Lent 2015.
- Part III Algebraic Topology, Michaelmas 2016.
- Part III Characteristic classes and K -theory, Lent 2018.

♦ **Part III essay advisor** (at Cambridge), with titles *Complex cobordism and formal group laws*, *Algebraic K -theory of finite fields*, *Homological stability*, *Finite H -spaces*, *Representation stability*, *Topics in geometric topology*, *Vassiliev theory*, *Algebraic K -theory*, *Exotic spheres*.

♦ **Supervisor** (at Cambridge)

- IA Numbers & Sets revision, Easter 2014.
- IB Linear Algebra, Michaelmas 2014.
- IB Geometry, Lent 2013.

♦ **Lecturer** (at Copenhagen)

- Topology, Autumn 2011.
- Algebraic Topology 1.5, Spring 2011.

♦ **Graduate supervisor**

- Supervisor of Cambridge PhD theses of Nina Friedrich 2014-, Nils Prigge 2016-
Informal co-supervisor of Copenhagen PhD thesis of Mauricio Esteban Gómez López. Co-supervisor of Barcelona PhD thesis of Federico Cantero Morán.
- Advisor for two MS theses, Paolo Masulli (2011) and Mauricio Esteban Gómez López (2011), at Copenhagen.
- Advisor for two BSc theses, at Copenhagen.

♦ **Graduate lectures**

- Co-organiser of lecture series “Moduli spaces of manifolds”, February–June 2012.

- Organiser of seminar series “Surgery theory”, 2011.
- Organiser of lecture series “Surgery theory”, 2010.
- Lecture course on “Resolutions of moduli spaces and homological stability”, 2010.
- Organiser of seminar series “Classification of Topological Quantum Field Theories, after J. Lurie”, 2009.
- Organiser of seminar series “Nilpotence and periodicity in stable homotopy theory”, 2008.

◇ **Teaching Assistant**

- Homological algebra, Winter 2010.
- Part C Lie Groups (4th year undergraduate course), Michaelmas 2007.
- Part C Algebraic Topology (4th year undergraduate course), Hilary 2007.
- Part C Topology & Groups (4th year undergraduate course), Michaelmas 2006.
- Part B Geometry of Surfaces (3rd year undergraduate course), Michaelmas 2006.

◇ **Class Tutor** (at Oxford)

- Part C Lie Groups (4th year undergraduate course), Michaelmas 2009.
- Part C Algebraic Topology (4th year undergraduate course), Hilary 2009.
- Part C Topology & Groups (4th year undergraduate course), Michaelmas 2008.

◇ **Tutor** (at Oxford)

- Introduction to complex numbers, Analysis I, Probability I (1st year undergraduate courses), Michaelmas 2009.
- Linear Algebra (2nd year undergraduate course), Hilary 2007.

CONFERENCE
TALKS AND
SEMINARS

Lecture course on *Characteristic classes and moduli spaces of manifolds* – Algebraic Topology of Manifolds, Oxford, 11th-15th September 2017.

Tautological rings – Groups, Manifolds, and K -theory, Münster, 9th June 2017.

Stable twisted cohomology via scanning – Johnson homomorphisms and related topics, Tokyo, 26th May 2017.

E_n -cells and applications – Moduli and Traces, Copenhagen, 21st April 2017.

Metastable cohomology of moduli spaces of Riemann surfaces – British Mathematical Colloquium morning talk, Durham, 4th April 2017.

Stable twisted cohomology via scanning – OAC-manifolds, Oxford, 13th March 2016.

Stable moduli spaces of manifolds – Topology Seminar, QMUL, 11th March 2016.

Lecture course on *Cohomology of moduli spaces of manifolds* – European Autumn School in Topology, Utrecht, September 19-23 2016.

Cohomology of $\text{Aut}(F_n)$ with twisted coefficients – Topologie, Oberwolfach, 18th July 2016.

Lecture course on *Moduli Spaces of Manifolds* – Young Topologists’ Meeting, Copenhagen, 4th July 2016.

E_2 -cells and homological stability – Topology of manifolds, Lisbon, 27th June 2016.

Realising characteristic numbers of fibre bundles – Scottish Topology Seminar, Edinburgh, 11th March 2016.

Characteristic classes of fibre bundles – OAC-manifolds, Oxford, 22nd February 2016.

Tautological rings for high-dimensional manifolds – Warwick, 18th February 2016.

Infinite loop spaces and positive scalar curvature – Aspects of Homotopy Theory, Southampton, 15th December 2015.

Moduli spaces of manifolds – Colloquium, Columbia University, New York, 15th October 2015.

Tautological rings for high-dimensional manifolds – Stanford University, 6th October 2015.

Tautological rings for high-dimensional manifolds – Manifolds Unlocking Higher Structures, Clay Mathematical Institute Workshop, Oxford, 28th September-2nd October 2015.

Moduli spaces of high-dimensional manifolds – Moduli spaces and their applications, Liverpool, 21st September 2015.

Moduli spaces of high-dimensional manifolds – PIMS Symposium on the Geometry and Topology of Manifolds, Vancouver.

Infinite loop spaces and positive scalar curvature – PIMS Symposium on the Geometry and Topology of Manifolds, Vancouver.

Lecture course on *Moduli spaces of manifolds*, Hausdorff Institute for Mathematics, Bonn, 4th-8th May 2015.

Tautological rings for high-dimensional manifolds – Stockholm, 15th April 2015.

Infinite loop spaces and positive scalar curvature – Stockholm, 14th April 2015.

Homological stability and abelianness – Teichmüller Modular Groups: A Celebration of Nikolai Ivanov's 60th Birthday, Chicago, 21st March 2015.

Cohomology of some diffeomorphism groups – Southampton, 23th February 2015.

Infinite loop spaces and positive scalar curvature – Oxford, 19th January 2015.

Cohomology of some diffeomorphism groups – Aberdeen, 15th December 2014.

Stable moduli spaces of high-dimensional manifolds – Topologie; Oberwolfach, 15th September 2014.

Stable moduli spaces of high-dimensional manifolds: applications – ICM Satellite Conference on Algebraic Topology, Dalian, China, 10th August 2014.

Cohomology of diffeomorphism groups – Workshop on Algebraic Topology and its Applications, Dalian, China, 7th August 2014.

Infinite loop spaces and positive scalar curvature – Analysis and Topology in Interaction, Cortona, 16th June 2014.

Lecture course on *Moduli spaces of high-dimensional manifolds and applications to positive scalar curvature metrics* – Westfälischen Wilhelms-Universität Münster, 9th-13th June 2014.

Moduli spaces of high-dimensional manifolds – British Mathematical Colloquium, Queen Mary, London, 9th April 2014.

Moduli spaces of high-dimensional manifolds – Algebraic Topology, MSRI, 27th February 2014.

Abelianisations of the mapping class groups of some highly-connected manifolds – Rice, Houston, 17th February 2014.

The tautological class κ_{-1} – Topology seminar, Stanford, 11th February 2014.

Homological stability of moduli spaces of manifolds – Algebraic Topology, MSRI, 31st January 2014.

Infinite loop spaces and positive scalar curvature – Geometry seminar, UCL, 14th January 2014.

Infinite loop spaces and positive scalar curvature – Glasgow, 2nd December 2013.

Stable moduli spaces of high-dimensional manifolds – Manchester, 18th November 2013.

The tautological class κ_{-1} – Cohomology of the moduli space of curves, Zürich, 11th October 2013.

Infinite loop spaces and positive scalar curvature – British Topology Meeting, Aberdeen, 9th September 2013.

Homological stability and moduli spaces – Homology Stability Workshop, Copenhagen, 26th August 2013.

The Picard groups of moduli spaces of r -Spin Riemann surfaces – Séminaire de géométrie algébrique; Jussieu, Paris, 16th May 2013.

Infinite loop spaces and positive scalar curvature – Sheffield, 2nd May 2013.

Infinite loop spaces and positive scalar curvature – Stanford, 9th April 2013.

Stable moduli spaces of high-dimensional manifolds – Nottingham, 7th December 2012.

Cohomology of the universal Picard varieties, and tautological relations – Algebraic geometry seminar; Humboldt-Universität zu Berlin, 5th December 2012.

The “Mumford conjecture” package, with applications – SFB colloquium; Humboldt-Universität zu Berlin, 4th December 2012.

The “Mumford conjecture” package, with applications – GQT colloquium; Universiteit van Amsterdam, 16th November 2012.

Stable moduli spaces of high-dimensional manifolds – Oxford, 29th October 2012.

El espacio de superficies en una variedad – XIX Encuentro de Topología, La Coruña, 19th October 2012.

Homological stability for moduli spaces of manifolds – Topologie; Oberwolfach, 19th September 2012.

Homological stability for moduli spaces of manifolds – 27th British Topology Meeting; Cambridge, 6th September 2012.

Stable moduli spaces of high-dimensional manifolds – Fourth Arolla Conference on Algebraic Topology; Arolla, 23rd August 2012.

Homological stability for moduli spaces of manifolds – Algebraic Topology: Applications and New Directions; Stanford, 27th July 2012.

Homological stability for moduli spaces of manifolds – 17th NRW meeting; Münster, 4th May 2012.

Stable moduli spaces of high-dimensional manifolds – Universitat de Barcelona, 6th February 2012.

Stable moduli spaces of high-dimensional manifolds – MPIM Bonn, 23rd January 2012.

Stable moduli spaces of high-dimensional manifolds – Edinburgh, 26th October 2011.

Stable moduli spaces of high-dimensional manifolds – Glasgow, 24th October 2011.

Universal Picard varieties and tautological relations – ETH, Zürich, 7th October 2011.

Stable moduli spaces of high-dimensional manifolds – MIT, 26th September 2011.

Picard group of the moduli space of r -Spin Riemann surfaces – Riemann Surfaces; PCMI, Utah, 12th July 2011.

Universal Picard varieties, extended mapping class groups, and tautological relations – Stanford, 3rd May 2011.

Two lectures on spaces of manifolds – NTNU, Trondheim, 28th-29th October 2010.

Monoids of moduli spaces of manifolds, II – Topologie; Oberwolfach, 22nd September 2010.

The Picard group of the moduli space of r -Spin curves – Summer Topology Workshop; Stanford University, 5th August 2010.

Resolutions of moduli spaces – Stanford University, 13th April 2010.

Resolutions of moduli spaces – TTT meeting; University of Warwick, 23rd March 2010.

Resolutions of moduli spaces and homology stability – University of Copenhagen, 1st February 2010.

Monoids of moduli spaces of manifolds – 25th Nordic and 1st British–Nordic congress of Mathematicians; Oslo, 8th June 2009.

Monoids of moduli spaces of manifolds – Manifold Perspectives; Oberwolfach, 27th May 2009.

Monoids of moduli spaces of manifolds – University of Bonn, 12th May 2009.

Homology of the stable non-orientable mapping class group – Stanford University, 13th January 2009.

Homology of the stable non-orientable mapping class group – TTT meeting; University of Sheffield, 9th December 2008.

Geometric delooping of cobordism categories – Westfälischen Wilhelms-Universität Münster, 24th April 2008.

Spaces of manifolds and tangential structures – Moduli spaces; University of Bonn / Max Planck Institute, 10th January 2008.

Embedded cobordism categories – University of Copenhagen, 15th October 2007.

Characteristic classes of bundles of non-orientable surfaces – 22nd British Topology Meeting; Sheffield, 10th September 2007.

LOCAL
SEMINARS

Applications of cellular E_2 -algebras – Geometry seminar; University of Cambridge, 16th November 2016.

Infinite loop spaces and positive scalar curvature – Geometry seminar; University of Cambridge, 16th October 2013.

Cohomology of braid groups and mapping class groups – GDO programme; Newton Institute, University of Cambridge, 28th February 2013.

The “Mumford conjecture” package, with applications – Geometry seminar; University of Cambridge, 14th November 2012.

The Picard group of the moduli space of r -Spin curves – Algebra and Topology seminar; University of Copenhagen, 11th October 2010.

Cohomology of moduli spaces – Junior Geometry and Topology seminar; University of Oxford, 3rd June 2010.

Arc complexes – Junior Geometric Group Theory seminar; University of Oxford, 25th May 2010.

Homology stability of spaces of surfaces – Topology seminar; University of Oxford, 23rd November 2009.

Monoids of moduli spaces of manifolds – Geometry seminar; University of Oxford, 1st June 2009.

Descent in algebra, geometry and topology – Junior Geometry and Topology seminar; University of Oxford, October 2008.

The Hopf invariant one problem – Junior Geometry and Topology seminar; University of Oxford, March 2008.

Poincaré–Hopf index theorem and the transfer – Junior Geometry and Topology seminar; University of Oxford, October 2007.

Classification of smooth manifolds up to cobordism – Junior Geometry and Topology seminar; University of Oxford, February 2007.

- EXTENDED VISITS Sabbatical at Stanford University. 4th October-5th December 2015.
- “Homotopy theory, manifolds, and field theories” programme, Hausdorff Centre for Mathematics, Bonn. 27th July-21st August 2015.
- Research member at the “Algebraic Topology” programme, MSRI, Berkeley. 27th January-28th February 2014.
- CONFERENCES AND WORKSHOPS ATTENDED
- Algebraic Topology of Manifolds* – Oxford, 11th-15th September 2017.
- Analysis and Topology in Interaction* – Cortona, 26th-30th June 2017.
- Groups, Manifolds, and K-theory* – Münster, 5th-9th June 2017.
- Johnson homomorphisms and related topics* – Tokyo, 22nd-26th May 2017.
- Moduli and Traces* – Copenhagen, 20th-21st April 2017.
- British Mathematical Colloquium* – Durham, 3rd-6th April 2017.
- OAC-manifolds* – Oxford, 13th March 2017.
- European Autumn School in Topology* – Utrecht, September 19-23 2016.
- OAC-manifolds* – Cambridge, 9th September 2016.
- Topologie* – Oberwolfach, 17th-23rd July 2016.
- Young Topologists’ Meeting* – Copenhagen, 4th-8th July 2016.
- Topology of manifolds* – Lisbon, 27th June-1st July 2016.
- OAC-manifolds* – Aberdeen, 9th May 2016.
- Scottish Topology Seminar* – Edinburgh, 11th March 2016.
- OAC-manifolds* – Oxford, 22nd February 2016.
- Aspects of Homotopy Theory* – Southampton, 14th–19th December 2015.
- Manifolds Unlocking Higher Structures* – Oxford, 28th September-2nd October 2015.
- Homotopy theory, manifolds, and field theories* – Bonn, 17th-21st August 2015.
- PIMS Symposium on the Geometry and Topology of Manifolds* – Vancouver, 29th June-5th July 2015.
- Introductory School: Homotopy theory, manifolds, and field theories* – Bonn, 4th-8th May 2015.
- Teichmüller Modular Groups* – Chicago, 20th-22nd March 2015.
- ICM Satellite Conference on Algebraic Topology* – Dalian, China, 3rd-13th August 2014.
- Manifolds, K-theory, and related topics* – Dubrovnik. 23rd-27th June 2014.
- Analysis and Topology in Interaction* – Cortona. 16th-20th June 2014.
- Surgery theory and its applications in geometry* – Münster. 9th-13th June 2014.
- British Mathematical Colloquium* – Queen Mary, London. 7th-10th April 2014.
- Introductory Workshop: Algebraic Topology* – MSRI, Berkeley. 27th-31st January 2014.
- Cohomology of the moduli space of curves* – Zürich. 10th-13th October 2013.
- British Topology Meeting 2013* – Aberdeen. 9th-11th September 2013.
- Homology Stability Workshop* – Copenhagen. 26th-30th August 2012.
- BMC 2013* – Sheffield. 25th-28th March 2013.
- Aspects of Topology* – Oxford. 17th-19th December 2012.
- XIX Encuentro de Topología* – La Coruña. 19th-21st October 2012.
- Topologie* – Oberwolfach. 17th-22nd September 2012.
- 27th British Topology Meeting* – Cambridge. 6th–8th September 2012.

Fourth Arolla Conference on Algebraic Topology – Arolla, Switzerland. 20th-26th August 2012.

Algebraic Topology: Applications and New Directions – Stanford. 23rd-27th July 2012.

17th NRW meeting – Münster. 4th-5th May 2012.

Riemann surfaces – PCMI, Park City, Utah. 3rd-17th July 2011.

The Kervaire invariant and stable homotopy theory – ICMS, Edinburgh. 25th-29th April 2011.

Topologie – Oberwolfach. 19th-25th September 2010.

25th British Topology Meeting (organiser) – Oxford. 6th-9th September 2010.

West Coast Algebraic Topology Summer School (scientific committee) – Eugene, Oregon. 9th-15th August 2010.

Summer Topology Workshop – Stanford. 2nd-6th August 2010.

24th British Topology Meeting – Leicester. 14th-15th September 2009.

25th Nordic and 1st British-Nordic congress of Mathematicians – Oslo. 8th-11th June 2009.

Manifold Perspectives – Oberwolfach. 24th-30th May 2009.

Third Arolla Conference on Algebraic Topology – Arolla. 18th-24th August 2008.

Homotopical Group Theory and Topological Algebraic Geometry Conference and Workshop – Copenhagen / Bonn. 16th-27th June 2008.

Topology in the Swiss Alps, Young Topologists' Meeting – Le Châtelard. 26th-31st May 2008.

Moduli spaces Conference and Workshop – University of Bonn / Max Planck Institute. 1th-11th January 2008.

22nd British Topology Meeting – Sheffield. 10th-12th September 2007.

Workshop on Homological Algebra – Southampton. 8th-14th July 2007.

Postnikov Memorial Conference – Będlewo. 8th-14th July 2007.

Workshop on Stable Homotopy Theory – Strasbourg. 7th-11th May 2007.

Journal of Topology launch meeting – Oxford. 19th-21th March 2007.

SERVICE

London Mathematical Society. Editorial advisor, 2013–

Referee for: *Advances*, *Annals*, *AGT*, *Compositio Math.*, *Duke*, *G&T*, *Glasgow Mathematical Journal*, *HHA*, *Inventiones*, *JAMS*, *J. Differential Geom.*, *J. Topology*, *Math. Ann.*, *Math. Proc. Cam. Phil. Soc.*, *Math. Zeit.*, *MRL*, *Proc. AMS*, *Publ. Math. IHÉS*, *QJM*, *Trans. AMS*

Organiser (with W. Lück, R. Melrose, P. Piazza, Th. Schick) of *Analysis and Topology in Interaction*, Cortona, 2017.

Organiser (with U. Tillmann, R. Hepworth) of *OAC-manifolds meetings*, 2016–.

Organiser (with J. Giansiracusa) of *25th British Topology Meeting*, Oxford, 2010.

Scientific committee for *West Coast Algebraic Topology Summer School*, August 2010.

Organiser of *Copenhagen Topology seminar* 2010-2012.

Organiser of *Oxford Junior Geometry & Topology Seminar* 2007-2008.

Undergraduate admissions interviewer – *King's College*, Cambridge, 2012-2016.

Undergraduate admissions interviewer – *Jesus College*, Oxford, 2006-2009.