

## CAREER

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- Current*
- **University of Sydney Mathematical Research Institute.** Director. 2018 – present.
  - **University of Sydney.** Professor of Mathematics. 2017 – present.
  - **Hausdorff Centre for Mathematics.** Bonn Research Fellow (visiting position). 2017 – 2022.
- Previous*
- **Max Planck Institute for Mathematics.** Advanced Researcher (Research Professor). 2011 – 2016.
  - **Mathematical Institute, University of Oxford.** Postdoctoral Research Fellow. 2008 – 2011.
  - **St Peter's College, University of Oxford.** Junior Research Fellow. 2008 – 2011.

## EDUCATION

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- **PhD in Pure Math.** – Albert-Ludwigs-Universität Freiburg (2004-2008).  
*Supervisor:* Wolfgang Soergel
  - **Honours in Pure Math. (First Class Honours and Univ. Medal)** – University of Sydney (2003).  
*Supervisor:* Gus Lehrer
  - **Bachelor of Arts** – University of Sydney (2000 – 2002)
- Languages*
- **English** (native speaker), **German** (fluent), **French** (proficient).

## PRIZES AND DISTINCTIONS

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- **Distinguished Visiting Professor** – Institute for Advanced Study, Princeton, 2020/21.
- **Fellow of the Royal Society** – Elected 2018.
- **Fellow of the Australian Academy of Sciences** – Elected 2018.
- **Plenary Speaker** – International Congress of Mathematicians, Rio, August 2018.
- **2017 New Horizons in Mathematics Prize** – (with Ben Elias), December 2016.
- **Clay Research Award** – September 2016.
- **European Mathematical Society Prize** – July 2016.
- **Chevalley Prize of the American Mathematical Society** – January 2016.
- **"One case of very good wine"** – a 2009 bet with P. Fiebig on Lusztig's conjecture, March 2015.
- **Eleanor Sophia-Wood Travelling Scholarship** – Universität Freiburg, (awarded by the University of Sydney), 2005 – 2007.

## INVITED LECTURES

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- Special lectures*
- **Distinguished Lecture Series** – UCLA, USA. *Algebraic representations and constructible sheaves*, (June 2017).
  - **Distinguished Lecture Series** – Stanford, USA. *Algebraic representations and constructible sheaves*, (May 2017).

- **Takagi Lectures** – University of Tokyo, Japan. *On the representation theory of algebraic groups*, (two lecture series) (November 2016).
- **Séminaire Bourbaki** – Paris, France. *The Hodge theory of the Decomposition Theorem (after de Cataldo and Migliorini)*, (March 2016).
- **Feit Memorial Lectures** – Yale, USA. *Modular representations of Chevalley groups and Lusztig's conjecture*, (two lecture series) (October 2014).

## INVITED LECTURE SERIES

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- **Graduate Summer School: Soergel bimodules** – MSRI, USA. Two week summer school with Ben Elias and Shotaro Makisumi (26 June – 7 July 2017).
- **Borel seminar: Matroids in Algebra, Representation theory and Topology** – Les Diablerets, Switzerland. Three lecture course at summer school (January 2016).
- **Derived categories, the Weyl algebra and Hodge theory** – Warwick, UK. Five lecture series on perverse sheaves (January 2015).
- **Perspectives in Lie theory** – Pisa, Italy. Twelve hour lecture series on perverse sheaves (January 2015).
- **International conference on the representation theory of algebras** – Sanya, China. Four lecture course on diagrammatics for monoidal categories and representation theory (August 2014).
- **Geometric representation theory** – RIMS, Kyoto, Japan. Four lecture course on local and global Hodge theory of Soergel bimodules (July 2014).
- **Algebraic groups and representations** – Lyon, France. Four lecture course on Lusztig's conjecture and Soergel bimodules at summer school (July 2014).
- **Soergel bimodules and representation theory** – Sydney, Australia. Thirteen lecture course (October – December 2013).
- **Perverse sheaves in Representation Theory** – Besse, France. Five hour lecture course on Soergel bimodules at summer School (24 – 27 June 2013).
- **Master class: Soergel bimodules and Kazhdan-Lusztig conjectures** – Aarhus, Denmark. Twenty hour master class with Ben Elias (18 – 22 March 2013).
- **Homogeneous Spaces and Geometric Representation Theory** – Bochum. Six hour lecture course at Winter School (27 February – 2 March 2012).
- **Equivariant cohomology and moment graphs** – University of Melbourne. Three hour lecture course (May 2011).
- **Flag varieties** – Luminy. Four hour lecture course at spring school (2 – 6 May 2011).

## RESEARCH VISITS

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- **Distinguished Visiting Professor, Institute for Advanced Study**, September 2020 – May 2021.
- **Mathematical Sciences Research Institute, Berkeley** March 2018 – April 2018.
- **University of Chicago**, (Drinfeld seminar) 1 – 15 May, 2017.
- **Research Institute for Mathematical Sciences, Kyoto**, 1 September – 15 December, 2016.
- **University of Cordoba**, 22 February – 5 March, 2016.
- **Simons Center for Geometry and Physics, Stony Brook** 10 January – 29 January, 2016.
- **University of Chile**, 20 August – 15 September, 2015.

- **Osaka City University**, 4 August – 15 August, 2014.
- **Northwestern University**, 1 March – 31 March, 2014.
- **University of Chile**, 1 January – 25 January, 2014.
- **University of Sydney**, 1 October – 31 December, 2013.
- **Hong Kong University of Science and Technology**, 29 May – 8 June, 2013.
- **MIT**, 4–15 February, 2013.
- **Columbia University**, 5– 16 July, 2011.
- **Université Blaise Pascal, Clermont-Ferrand** 14 – 28 March, 2011.
- **Columbia University**, 21 September – 1 October, 2010.
- **Universität Bonn**, 28 June – 16 July, 2010.
- **Universität Erlangen-Nürnberg**, 8 – 15 January 2010.
- **Université de Caen Basse-Normandy**, 8 – 17 December 2009.
- **University of Sydney**, 23 – 27 September 2009.
- **Isaac Newton Institute, Cambridge**, 15 – 28 February and 3–9 May 2009.
- **Universität Freiburg**, 15 – 20 December 2008.
- **University of Aarhus**, September – December 2006.

## PROFESSIONAL ACTIVITIES

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- **Editor for** – Annales scientifiques de l'ÉNS (2017 - 2022), Crelle (2018-2023), Manuscripta Mathematica (2017).
- **Master theses supervised** – Thorger Jensen (2014), Marc Sauerwein (2014), Jürgen Kanzler (2015), Joseph Baine\* (2018). (\* = ongoing)
- **PhD theses supervised** – Thorger Jensen (2018), Leonardo Patimo (2018), Gaston Burrull\* (2018). (\* = ongoing)
- **Sheaves in representation theory** – Isle of Skye. Scientific coordinator (with Peter Fiebig and Daniel Juteau) of the program for the summer school (23 – 28 May 2010).
- **London Mathematical Society Summer School on Derived Categories** – City University. Tutor for exercise classes (7–11 September 2009).

## RESEARCH FUNDING

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- **ERC Starting Grant** – S. Riche (with P. Achar and G. Williamson as partner investigators). *The geometry of modular representations of reductive algebraic groups*, Value: 882 844 EUR.
- **ARC Discovery Grant** – A. Henderson, G. Lehrer, G Williamson. *Algebraic Schubert geometry and unitary reflection groups*, Value: 519 300 AUD.