Curriculum Vitæ

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CAREER

Current
- **University of Sydney.** Professor of Mathematics. Commenced 2017.
- **Hausdorff Centre for Math., Bonn.** Bonn Research Fellow (visiting position). 2017 – 2022.

Previous
- **Max Planck Institute for Math., Bonn.** 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

- **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

- **Distinguished Visiting Professor** – IAS Princeton, 2020/21.
- **Plenary Speaker** – ICM 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

Named 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).

Lecture series
- **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

- **IAS, Princeton** (as Distinguished Visiting Professor), September 2020 – May 2021.
- **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

- **Editor for** – Annales scientifiques de l'ÉNS (2017 - 2022), Manuscripta Mathematica (2017), Crelle (2018 - 2023).
- **PhD defense committee** – Dusko Bogdanic (Oxford, Karin Erdmann and Raphaël Rouquier), Trafim Lasy (Paris, Jean Michel), Leo Dreyfus-Schmid (Paris, Michel Broué and Raphaël Rouquier), Florian Klein (Oxford, Kevin McGerty), Taiwang Deng (Paris, Pascal Boyer).
- **Habilitation jury** – Daniel Juteau (Université de Caen).
- **Bachelor theses supervised** – Ariana Pohl (2013), Julia Alekseeva (2013), Teresa Sachse (2013), Vanessa Gierse (2013), Jürgen Kanzler (2014).
- **Master theses supervised** – Thorge Jensen (2014), Marc Sauerwein (2014), Jürgen Kanzler (2015).
- **PhD theses supervised** – Thorge Jensen* (2014), Leonardo Patimo* (2014). (* = ongoing)