

CURRICULUM VITAE

PERSONAL DETAILS

- Professor Tom Bridgeland FRS
- Nationality: British
- Date of Birth: 11/6/1973
- Homepage: <http://www.tom-bridgeland.staff.shef.ac.uk>
- Postal address: Hicks Building, Hounsfield Road, Sheffield S3 7RH, UK
- email: t.bridgeland@sheffield.ac.uk

EDUCATION and CAREER

- 2013 – Sheffield University, School of Mathematics and Statistics.
Professor of algebraic geometry.
- 2011 – 2013 Oxford University, All Souls College.
Senior Research Fellow.
- 2004 – 2011 Sheffield University, Department of Pure Mathematics.
Personal chair (2006).
- 1995 – 2004 Edinburgh University, School of Mathematics.
PhD completed under Antony Maciocia (1998).
- 1991 – 1995 Cambridge University, Christ’s College.
First class honours in Mathematics (1994).
Certificate of advanced study (Part III) (1995).

GRANTS and FELLOWSHIPS

- EPSRC Research Assistant (1998–2000).
- EPSRC Research Fellow (2001 – 2003).
- Royal Society University Research Fellow (2003 – 2010).
- PI on EPSRC grant ‘Spaces of stability conditions in algebraic geometry’ (2005–2008).
- PI on EPSRC grant ‘Stability conditions and hypermultiplet space’ (2010 – 2014).
- co-I on EPSRC programme grant ‘Motivic invariants and categorification’ (2012 – 2018).
- PI on ERC advanced grant ‘Stability conditions, Donaldson-Thomas invariants and cluster varieties’ (2015 – 2020).
- co-I on EPSRC programme grant ‘Enhancing representation Theory, noncommutative algebra and geometry through moduli, stability and deformations’ (2018 – 2024).

SUPERVISION of PHD STUDENTS

- David Stern (2003 – 2008)
- Tom Sutherland (2008 – 2014)
- John Calabrese (2010 – 2013)
- Rory Potter (2013 – 2017)
- Eoin Murphy (2014 – 2018)
- Caitlin McAuley (2015 –)
- Giovanni Marchetti (2017 –)

ORGANIZATION and EDITORIAL WORK

- Organizer of workshop ‘Derived Categories and Applications’, Edinburgh (2003).
- Organizer of workshop ‘Derived categories and string theory’, Simons Center (2010).
- Organizer of workshop ‘Geometry from stability conditions’, Warwick (2015).
- Member of Royal Society URF panel (2015 - 2021).
- Editor of the Journal of the European Mathematical Society (2015 - 2020).

HONOURS and PRIZES

- London Mathematical Society Berwick Prize (2003).
- Edinburgh Mathematical Society Whittaker Prize (2005).
- Invited speaker at International Congress of Mathematics (2006).
- Cambridge University Adams Prize (2007).
- Speaker at 60th birthday conference for Miles Reid (2007).
- Speaker at 80th birthday conference for Sir Michael Atiyah (2009).
- Elected Fellow of All Souls College, Oxford (2010).
- Speaker at 60th birthday conference for Shigeru Mukai (2013).
- Speaker at 50th birthday conference for Maxim Kontsevich (2014).
- Elected Fellow of the Royal Society (2014).

SELECTED PUBLICATIONS

- (1) with Alastair King and Miles Reid, *The McKay correspondence as an equivalence of derived categories*, J. Amer. Math. Soc. 14 3 535–554 (2001).
- (2) *Flops and derived categories*, Invent. Math. 147 613–632 (2002).
- (3) *Stability conditions on triangulated categories*, Annals of Math. 166 317–345 (2007).
- (4) *Stability conditions on K3 surfaces*, Duke Math. J. 141 , no. 2, 241–291 (2008).
- (5) *Hall algebras and curve-counting invariants*, J. Amer. Math. Soc. 24 969–998 (2011).
- (6) with Valerio Toledano Laredo, *Stability conditions and Stokes factors*, Invent. Math. 187, no. 1, 61–98 (2012).
- (7) *Quantum groups via Hall algebras of complexes*, Annals of Maths, 177 739–759 (2013).
- (8) with Ivan Smith, *Stability conditions and quadratic differentials*, 124 pp., Publ. Math. IHES (2014).
- (9) with Arend Bayer, *Derived automorphism groups of K3 surfaces with Picard rank 1*, Duke Math. J. 166 75–124 (2017).
- (10) Riemann-Hilbert problems from Donaldson-Thomas theory, Invent. Math. (2019).