

PROFESSOR MARK HASKINS FLSW

Department of Mathematics
Imperial College London
South Kensington Campus
London SW7 2AZ

Office: +44 (0)20 7594 8550
Fax: +44 (0)20 7594 8517
m.haskins@imperial.ac.uk

EDUCATION

University of Texas at Austin, Ph.D. in Mathematics. May 2000.
Thesis: *Constructing Special Lagrangian Cones*.
Advisor: Professor Karen K. Uhlenbeck.
Trinity Hall, Cambridge University. Jun 1994.
Certificate of Advanced Study in Mathematics (Part III of Maths Tripos).
Merton College, Oxford University. Jun 1993.
B.A. Mathematics.

POSITIONS HELD

Deputy Collaboration Director of Simons Collaboration on 2016–20.
Special Holonomy in Geometry, Analysis and Physics
Professor of Pure Mathematics, Imperial College London. Aug 2013–.
EPSRC Developing Leaders Fellow, Imperial College London. July 2013–15.
EPSRC Leadership Fellow, Imperial College London. Jan 2009–Oct 2014.
Reader in Pure Mathematics, Imperial College London. Oct 2007–2013.
Lecturer in Pure Mathematics, Imperial College London. Oct 2005–2007.
EPSRC Research Associate with Prof Sir S Donaldson, Imperial College. Oct 2004–2005.
Assistant Professor (on leave), University of California at Davis. Sep 2004–2005.
Sir William Hodge Fellow, Institut des Hautes Études Scientifiques. Sep 2003–Sep 2004.
J J Sylvester Assistant Professor, Johns Hopkins University. Aug 2000–2003.

RESEARCH HONOURS

Elected Fellow of the Learned Society of Wales (FLSW). May 2014.
EPSRC Developing Leaders Award. July 2013–2015.
EPSRC Leadership Fellow. Jan 2009–2014.
EPSRC Research Associate with Prof Sir S Donaldson FRS. Oct 2004–2005.
Sir William Hodge Fellowship (EPSRC-funded), IHES. Sep 2003–2004.
Liftoff Grant, Clay Mathematics Institute. Summer 2000.
Richardson Chair III Graduate Scholarship, UT Austin. Spring 1997 & 2000.
University of Texas Continuing Fellowship. 1997–1998.
Research Fellowship, States of Guernsey Education Authority. 1994–1997.
David Bruton Jr. Graduate Fellowship, UT Austin. 1994–1996.

RESEARCH INTERESTS

Differential geometry and geometric analysis.

- calibrated geometries, particularly singularities of special Lagrangian submanifolds.
- manifolds with exceptional holonomy, especially G_2 -manifolds and Calabi–Yau manifolds.
- singular spaces with special and exceptional holonomy and their applications in Physics.
- collapse and special holonomy spaces.
- geometric PDE gluing constructions of calibrated submanifolds.
- differential geometric applications of integrable systems techniques.
- applications of Geometric Measure Theory to calibrated geometry.

RESEARCH GRANTS

<p><i>Deputy Collaboration Director, Simons Collaboration on “Special holonomy in geometry, analysis and physics”.</i></p> <p>Awarded by Simons Foundation to team of 10 PIs in maths & physics Collaboration Director is Robert Bryant. Other PIs: Acharya, Donaldson, Goette, Joyce, Morrison, Nordström, S Salamon, S Sun Imperial College budget is USD \$1,729,637, equivalent to approx £1,153,000. https://sites.duke.edu/scshgap/</p>	<p>July 2016–20. USD \$8,525,349.</p>
<p><i>Singular spaces of special and exceptional holonomy, EP/L001527/1</i></p> <p>Awarded via EPSRC Developing Leaders grant programme</p>	<p>July 2013-5. £316,589.</p>
<p><i>Co-I on EPSRC Small Grant, joint with J Lotay UCL</i></p> <p>Gluing, Rigidity and Uniqueness Questions in Geometric Analysis</p>	<p>awarded Nov 2011. £11,554</p>
<p><i>Platform Research Support Grant, RS007MH</i></p> <p>Rigidity questions in Geometric Analysis</p>	<p>July 2011 £4,500</p>
<p><i>EPSRC Platform Grant</i></p> <p>One of three main proposal writers for Imperial College Mathematics Department Platform Grant</p>	<p>Jan 2011 £524,946</p>
<p><i>EPSRC Leadership Fellowship EP/G007241/1.</i></p> <p>Total EPSRC contribution:</p> <p>1 of only 23 Leadership Fellowships awarded across whole EPSRC remit. Grant title: <i>Geometric Analysis and special Lagrangian geometry.</i></p>	<p>July 2008. £1,072,255.</p>
<p><i>Leverhulme Trust Visiting Professorship.</i></p> <p>Leverhulme contribution:</p> <p>Grant to fund 6 month visit of Prof N Kapouleas to Imperial, Jan-Jun 2009. Kapouleas delivered 10 hour series of Leverhulme Lectures: <i>Gluing Methods in Geometry.</i></p>	<p>Nov 2007. £41,200.</p>

VISITING POSITIONS AND RESEARCH VISITS

<p><i>MSRI Berkeley</i></p> <p>Research Professor at “Differential Geometry” program.</p>	<p>Jan-May 2016.</p>
<p><i>Isaac Newton Institute for Mathematical Sciences, Cambridge</i></p> <p>Programme on “Metric and Analytic Aspects of Moduli spaces”.</p>	<p>Jul–Aug 2015.</p>
<p><i>Simons Center for Geometry and Physics, Stony Brook.</i></p> <p>Main organiser of 7-week research programme on G_2 geometry.</p>	<p>Aug–Oct 2014.</p>
<p><i>International Center for Mathematical Sciences, Edinburgh.</i></p> <p>Coorganiser of 2-week programme “Ricci curvature: limit spaces and Kähler geometry”.</p>	<p>July 2013.</p>
<p><i>Hausdorff Research Institute for Mathematics, Bonn.</i></p> <p>Senior scientist, Trimester on Integrability in Geometry and Mathematical Physics</p>	<p>Jan & Mar 2012.</p>
<p><i>Korean Institute for Advanced Study (KIAS), Seoul</i></p> <p>Visiting Professor.</p>	<p>Feb 2012.</p>
<p><i>Hausdorff Research Institute for Mathematics, Bonn.</i></p> <p>Senior Visiting Researcher to Junior Trimester in Differential Geometry.</p>	<p>Dec 2011.</p>
<p><i>Simons Center for Geometry and Physics.</i></p> <p>Visiting Professor for Program on <i>Complex Geometry and Generalised Geometry with Applications to Physics</i></p>	<p>Nov 2011.</p>
<p><i>Department of Mathematics, State University of New York, Stony Brook.</i></p> <p>Visiting Researcher.</p>	<p>Sept 2010.</p>
<p><i>Department of Mathematics, UC San Diego.</i></p> <p>Visiting Researcher.</p>	<p>Sept 2010.</p>
<p><i>Department of Mathematics, Brown University.</i></p> <p>Visiting Researcher.</p>	<p>Sept 2009.</p>
<p><i>Mathematics Research Center, Stanford University.</i></p> <p>Visiting Professor.</p>	<p>Sep–Dec 2008.</p>
<p><i>Mathematical Sciences Research Institute, Berkeley.</i></p>	<p>Aug–Oct 2008.</p>

Research Member.
Mathematics Department, Columbia University, New York Mar–Apr 2006.
 Visiting Researcher.
Department of Mathematics and Physics, Osaka City University, Japan. Jan–Feb 2006.
 Visitor to Program in Geometry, Integrable Systems and Visualization.
Institute for Mathematical Sciences, Chinese University of Hong Kong. Mar 2005.
 Visitor to Programme in Algebraic Geometry.
Forschungsinstitut für Mathematik, ETH Zurich. Jun 2004.
 FIM Guest researcher.
Department of Geometry and Topology, University of Granada, Spain. Sept 2003.
 Visiting Researcher.
Department of Mathematics, Brown University. Jul–Aug 2003.
 Visiting Scholar.
Department of Mathematics, University of York. Jan 2003.
 Visiting Researcher.
Department of Mathematics, University of Leeds. Apr 2000.
 Visiting Researcher.
Max Planck Institute for Natural Sciences, Leipzig. Aug 1999.
 Visiting Researcher.
Institute for Advanced Study, Princeton. Aug 1997–May 1998.
 Visitor to Program in Geometric Partial Differential Equations.

RESEARCH COLLABORATORS

Bobby Acharya	King's College London/ICTP Trieste.
Tom Coates	Imperial College London.
Alessio Corti	Imperial College London.
Eleonora Di Nezza	Imperial College London.
Lorenzo Foscolo	Stony Brook.
Yohsuke Imagi	IMPU Tokyo.
Hans-Joachim Hein	Fordham University.
Nikolaos Kapouleas	Brown University.
Al Kasprzyk	Nottingham.
Johannes Nordström	Bath.
Tommaso Pacini	Scuola Normale Superiore, Pisa.
Martin Speight	Leeds University.

MENTORING AND RESEARCH SUPERVISION

Dr Eleonora Di Nezza:	EPSRC-funded Research Associate	2014–2015.
	Marie-Curie Research Fellow	2015–2017.
Dr Hans-Joachim Hein:	EPSRC-funded Research Associate	2010–2014.
	Asst Prof at University of Maryland, College Park f/	Aug 2014.
Dr Johannes Nordström:	EPSRC-funded Research Associate	2009–2011.
	Lecturer in Mathematics at Bath University f/Aug	2013.
Dr Yat-Ming Chan:	Croucher Fellow, Research Associate	2006–7.
	Lecturer at University of Hong Kong	
Dr Jason Lotay:	Mentor for EPSRC Career Acceleration Fellow	2009–2011.
	Now Reader at UCL Maths.	
Dr Lorenzo Foscolo:	PhD student, Imperial College London.	2009–2013.
	PhD awarded August 2013	
	3-year Simons Instructorship at Stony Brook from Sept	2013.
Dr Ronan Conlan:	PhD student, Imperial College London.	2007–2011.
	PhD awarded Sept 2011.	
	Awarded departmental prize for best PhD thesis Jan	2012.
	Started postdoc at Max Planck, Bonn Oct 2011; postdoc at UQAM;	

	now tenure track at Florida International University, Miami.	
David Morris:	MPhil student, Imperial College London.	2012–2014.
Lars Setknan:	Imperial College PhD examiner (w/ M. Singer)	Aug 2016.
Martin de Borbon:	Imperial College PhD examiner (w/ O. Biquard)	Dec 2015.
Goncalo Oliveira:	Imperial College PhD examiner (w A. Dancer)	June 2014.
Thomas Walpsuki:	Imperial College PhD examiner (w D. Joyce)	July 2013.
Cristiano Spotti:	Imperial College PhD examiner (w/ I. Cheltsov)	Sep 2012.
Stuart Hall:	Imperial College PhD examiner (w/ A. Dancer)	Feb 2011.
Yat-Ming Chan:	Oxford D.Phil. External Examiner (w/ N. Hitchin)	Jan 2006.

PROFESSIONAL SERVICE

Scientific Organisation.

Main organiser, Inaugural meeting of Simons Collaboration on “Special holonomy in geometry, analysis and physics”, Stony Brook. 1-week meeting at Simons Center for Geometry & Physics.	Sept 2016
Deputy Collaboration Director, Simons Foundation Collaboration “Special holonomy in geometry, analysis and physics”.	July 2016–2020.
Coorganiser. Oberwolfach Miniworkshop on “Singularities in G_2 geometry” 1-week mini-workshop.	Feb 2015
Main organiser. Simons Center for Geometry and Physics, Stony Brook 7-week research programme on G_2 geometry.	Aug–Oct 2014
Coorganiser. G_2 Days, University College London. 3 day research workshop.	July 2014
Main organiser. LMS-Clay Summer School, Imperial College London: “An Invitation to Geometry and Topology via G_2 ” 1-week summer school for beginning PhD students in Geometry Proposal funded by LMS and Clay Mathematics Institute Over 40 students and postdocs from EU, Europe, Asia, North and South America.	July 2014
Coorganiser. ICMS Edinburgh: 2-week workshop on <i>Ricci curvature: limit spaces and Kähler geometry</i> Proposal approved and fully funded by ICMS, CANPDE and Clay. Main speakers included: Cheeger, Donaldson, Naber, Tian, Wilking.	July 2013
Coorganiser. Imperial, UCL and King’s College: 2-day workshop on <i>Recent progress in Exceptional Holonomy.</i>	June 2012.
Coorganiser, Hausdorff Research Institute for Mathematics, Bonn: 3-day workshop on <i>Geometric PDE and Integrability.</i>	Jan 2012.
Member of British Mathematics Colloquium Scientific Committee	2011–12.
Coorganiser of 2-day <i>Differential Geometry workshop</i> , British Mathematics Colloquium, Leicester	April 2011.
Coorganiser <i>Geometric Analysis</i> part of LMS Annual General Meeting (with Sir Simon Donaldson).	Nov 2006.

Editorial Work, Reviewing and Refereeing.

Editorial Advisory Boards	Jan 2011–16.
1. Bulletin of the London Mathematical Society	
2. Journal of the London Mathematical Society	
3. Proceedings of the London Mathematical Society	
4. Transactions of the London Mathematical Society	
EPSRC Mathematics Doctoral Training Allocations Panel	Oct 2009.
EPSRC Peer Review College	April 2009–.
National Sciences and Engineering Research Council of Canada	Oct 2008–.
Reviewer: EPSRC Mathematics Proposals	Mar 2008–.
Member of review panelist for Academy of Finland mathematics proposal	Jan 2014.
Reviewer: Research Grants Council of Hong Kong	Mar 2016.
Reviewer: NSF FRG Mathematics Proposals	Oct 2016.

Referee/Reviewer for:

<i>Duke Journal of Mathematics</i>	Sep 2000-.
<i>American Mathematical Monthly</i>	Sep 2000-.
<i>American Journal of Mathematics</i>	Dec 2001-.
<i>Differential Geometry and its Applications</i>	Mar 2002-.
<i>Advances in Mathematics</i>	Sep 2002-.
<i>Communications in Analysis and Geometry</i>	Apr 2003-.
<i>Geometriae Dedicata</i>	Dec 2003-.
<i>Communications in Mathematical Physics</i>	Jan 2004-.
<i>Journal of the London Mathematical Society</i>	Mar 2004-.
<i>Annals of Global Analysis and Geometry</i>	Apr 2005-.
<i>Annales de la Faculte des Sciences de Toulouse</i>	Jun 2005-.
<i>Communications in Contemporary Mathematics</i>	Sep 2005-.
<i>International Mathematics Research Notices</i>	Jan 2006-.
<i>Geometry and Topology</i>	Feb 2006-.
<i>Proceedings of the London Mathematical Society</i>	Jan 2007-.
<i>Mathematische Annalen</i>	May 2008-.
<i>Quarterly Journal of Mathematics</i>	Jun 2008-.
<i>Journal of Differential Geometry</i>	Dec 2008-.
<i>Inventiones Mathematicae</i>	March 2009-.
<i>Commentarii Mathematici Helvetici</i>	April 2009-.
<i>Journal of Geometric Analysis</i>	May 2009-.
<i>Geometric and Functional Analysis</i>	Aug 2009-.
<i>Transactions of the American Mathematical Society</i>	Apr 2010-.
<i>Proceedings of the Edinburgh Mathematical Society</i>	Apr 2010-.
<i>Manuscripta Mathematica</i>	Jan 2011-.
<i>Compositio Mathematica</i>	May 2011-.
<i>Publications of the Research Institute for Mathematical Sciences, Kyoto</i>	Nov 2012-.
<i>The Journal of Symplectic Geometry</i>	April 2013-.
<i>New York Journal of Mathematics</i>	July 2013-.
<i>Proceedings of the Royal Society A</i>	Aug 2013-.
<i>Journal of the American Mathematical Society</i>	Oct 2014-.

Departmental Service:*Seminar organisation.*

Organiser of London Geometry and Topology Seminar	2005–08, 2009–2014.
Coorganiser of Imperial Geometry and Analysis Seminar	Jan 2012–2016.
Weekly Sasaki-Einstein geometry working group	May–June 2011.
Weekly Kähler geometry working group	Jan–March 2011.
Weekly Calibrations working group	Oct–Dec 2010.
Weekly Lagrangian Mean Curvature Flow working group (joint with Oxford, Warwick via TCC Access Grid)	Jan–March 2010.
Weekly Geometric Analysis working group	Oct–Dec 2009.
Leverhulme Lectures by Professor N Kapouleas (joint with Oxford, Warwick, Leeds via TCC Access Grid)	Apr–May 2009.

Research strategy and grants.

Coordinator of department REF 2014 Environment submission.	Aug 2012–2014.
Member of Department Research Committee.	2010–2012.
Mock interview panel organiser for LRF, CAF, ERC Fellowships:	2009–2011.
Beardmore, Coates, Neves and Rasmussen: all awarded Fellowships. (Total research income of fellowships was over £3 million)	June 2010.
Mentor for several successful grant applications totaling over £1.5million:	
Lotay Career Acceleration Fellowship, Neves ERC Starting Investigator and Neves Marie-Curie Reintegration Grant.	
One of three main proposal writers for successful departmental EPSRC Platform Grant	July 2010. £526,946.
Member Maths dept selection panel for EPSRC Postdoc Fellowships	2009 & 2010.

- Co-PI and main proposal writer for EPSRC Outline Proposal P18869 £6,430,000 proposal for EPSRC Doctoral Training Centre in *Mathematical Analysis and its Applications* based in department. May 2008.
- Coordinator and main proposal writer: Apr 2008.
Internal Imperial competition to select DTC proposals receiving College support for submission of Outline DTC Proposal to EPSRC.
- Hiring.*
- Interviewer for numerous Geometry PhD candidates. 2007–.
Member interview panel for 5-year Lecturer in Pure Maths. Jan 2009.
- Teaching.*
- Main coordinator for Geometry applicants to new EPSRC-funded CDT Spring 2014.
Led selection process for first cohort (15 students) of PhD students for the new London School for Geometry and Number Theory joint between Imperial, King’s College and University College London.
- Member of Pure Maths Teaching Committee. 2007–8.
Committee coordinated major overhaul of third and fourth year U/G maths courses to reflect current research strengths of Section.
- Johns Hopkins University.*
- Co-organiser of Mathematical Physics Seminar. Fall 2000–Spring 2003.
Member of Graduate Board Oral Examination Committee Spring 2001–03.
for 7 PhD candidates in Electrical & Computer Engineering.
- Member of Undergraduate Mathematics Majors Committee. Fall 2000–01.
• “Fractals in mathematics and nature”, Mathematics Club talk. Sep 2000.

TEACHING QUALIFICATIONS

- Fellow of the Higher Education Academy. 2008–.
- CASLAT (Certificate of Advanced Study in Learning and Teaching): “a postgraduate qualification in Learning and Teaching in Higher Education awarded by Imperial College London”.
- CASLAT Core workshops (approx 50 contact hours):
- Supervising Postgraduates. Sep 2006.
 - Communicating Knowledge. (APEL) Nov 2005.
 - Teaching for Learning. (APEL) Nov 2005.
 - Designing for Learning. (APEL) Nov 2005.
 - Becoming a Personal Tutor. Nov 2005.
- Commended for CASLAT Modules 3 and 4. Jan 2007.
- Graduate Teaching Effectiveness Class, UT Austin. Autumn 1998.

TEACHING AWARDS

- W R Kenan Fund Award for Enhancement of Undergraduate Teaching, JHU. Jun 2001.

TEACHING EXPERIENCE

- Imperial College London. October 2004–.
Courses:
Algebraic Geometry (M4P33). Autumn 2005, Spring 2007, Autumn 2007.
Foundations of Analysis (M1F). Autumn 2006, 2007.
Algebraic Curves (M3/4/5P20). Autumn 2015 & 2016
- Tutorial work (mathematics):*
Personal tutor for maths undergraduates (~ 15/year). Autumn 2005–2008; 2016–
Personal tutor for Master’s students. Autumn 2006–2008.

Tutorial work (ancillary courses):

AERO(nautical engineering) 107, Chem(ical) Engineering and Spring 2005, 2008.
B(io)M(edical)E(ngineering) Year I.

Student projects:

2 M3R (3rd year undergraduate) projects on . Jan–May 2006.

Constant Mean Curvature surfaces in \mathbb{R}^3

Supervised multiple First and Second Year projects. 2006–2008.

- Assistant Professor, Johns Hopkins University. Fall 2000–Spring 2003.

Undergraduate courses:

* Dynamical Systems and Chaos. Fall 2000, Spring 2002.

* Introduction to Differential Geometry. Spring 2001.

** Undergraduate Research in Mathematics. Fall 2001.

* Geometry and Relativity. Spring 2002.

** Honors Calculus I. Fall 2002.

** Honors Calculus II. Spring 2003.

Calculus I for Biological and Social Science Majors. Spring 2003.

* = heavily revised version of existing course

** = new course developed

Graduate course:

Riemannian Geometry. Spring 2001.

Undergraduate student research supervision:

Faculty advisor for Woodrow Wilson Research Fellow. Jun 2002–May 03.

Student presented research at national AMS meeting. Jan 2003.

S. Prakash & T. Teixeira, Fall 2001.

“Distributing points uniformly on spheres”.

V. Rachakonda, Fall 2001.

“ π in the Mandelbrot set”.

- Graduate Student, University of Texas at Austin. 1996–99.

Undergraduate courses as teaching assistant:

Engineering Calculus I and II. Fall 1996, Summer 1997–98.

Provisional Student Program (College Algebra). Summer 1999.

Undergraduate course as instructor (with primary responsibility for course):

Precalculus. Fall 1999.

Graduate course (grader):

Differential Topology. Spring 1999.

- Volunteer student teacher/mentor, Impington Village School, Cambridge. 1993–94.

INVITED SEMINARS, COLLOQUIA AND CONFERENCE TALKS

Princeton University. Mar 1998.

Nonlinear Dynamics Seminar.

Max Planck Institute (Leipzig). Aug 1999.

Sophus Lie Seminar.

University of Texas at Austin. Dec 1999.

Geometry and Global Analysis Seminar.

Rice University. Feb 2000.

Geometry Seminar.

Johns Hopkins University. Feb 2000.

Analysis Seminar.

Stanford University. Feb 2000.

Geometry Seminar.

University of California at Santa Barbara. Mar 2000.

Geometry Seminar.

ETH Zurich. Apr 2000.

Geometry and Analysis Seminar.

University of Leeds. Apr 2000.

Workshop on Harmonic Maps (plenary speaker).

<i>University of Warwick.</i>	Apr 2000.
Workshop on Geometry and Physics.	
<i>Oxford University Mathematical Institute.</i>	May 2000.
Geometry/String Theory Seminar.	
<i>University of Texas at Austin.</i>	Jan 2001.
Geometry Seminar.	
<i>Brown University.</i>	Mar 2001.
Geometry Seminar.	
<i>Massachusetts Institute of Technology.</i>	Mar 2001.
Geometry Seminar.	
Canadian Mathematical Society Winter Meeting, Toronto.	Dec 2001.
Special Session on Nonlinear and Geometric Analysis.	
Joint Italian and American Mathematical Societies meeting, Pisa.	Jun 2002.
Special Session on Advances in Complex, Contact and Symplectic Geometry.	
AMS Sectional Meeting, Boston.	Oct 2002.
Special Session on Developments and Applications in Differential Geometry.	
<i>University of York, England.</i>	Jan 2003.
Yorkshire Differential Geometry Day.	
<i>University of Massachusetts, Amherst.</i>	Feb 2003.
Mathematics Department Colloquium.	
<i>College of Charleston, South Carolina.</i>	Mar 2003.
Southeast Geometry Conference.	
<i>University of Pennsylvania.</i>	Apr 2003.
Analysis Seminar.	
<i>Rutgers University.</i>	Apr 2003.
Geometry and Topology Seminar.	
<i>Institute of Pure and Applied Mathematics, UCLA.</i>	Apr 2003.
Workshop on Geometry of Lagrangian Submanifolds.	
<i>Mathematical Sciences Research Institute, Berkeley.</i>	Aug 2003.
Von Neumann Symposium (Introductory workshop for special year in Differential Geometry).	
<i>University of Granada, Spain.</i>	Sep 2003.
Geometry and Topology Seminar.	
<i>University of Warwick.</i>	Oct 2003.
Analysis Seminar.	
<i>Oxford University Mathematical Institute.</i>	Oct 2003.
Geometry and Analysis Seminar.	
<i>Université de Paris XI (Orsay).</i>	Nov 2003.
Geometry-Topology-Dynamics Seminar.	
<i>Georgia Institute of Technology.</i>	Dec 2003.
Geometry-Topology Seminar.	
<i>Université du Québec à Montréal.</i>	Jan 2004.
Geometry and Topology Seminar.	
<i>University of Connecticut, Storrs.</i>	Jan 2004.
Mathematics Department Colloquium.	
<i>University of Massachusetts, Amherst.</i>	Jan 2004.
Mathematics Department Colloquium.	
<i>University of California, Santa Barbara.</i>	Jan 2004.
Geometry Seminar.	
<i>University of California, Davis.</i>	Feb 2004.
Mathematics Department Colloquium.	
<i>University of Minnesota.</i>	Apr 2004.
Geometric Analysis Seminar.	
<i>École Polytechnique, Paris.</i>	Jun 2004.
Besse Seminar.	
<i>ETH, Zurich.</i>	Jun 2004.
Geometry and Analysis Seminar.	

<i>Centro di Ricerca Matematica, Pisa.</i>	Sep 2004.
One of main lecturers in Programme on Calabi-Yau geometry & special holonomy.	
<i>Edinburgh University.</i>	Nov 2004.
Geometry seminar.	
<i>Cambridge University.</i>	Nov 2004.
Geometry seminar.	
<i>Kyushu University, Fukuoka, Japan.</i>	Nov 2004.
Conference on “Integrable systems, Geometry and Visualization”.	
<i>Tokyo Metropolitan University, Japan.</i>	Nov 2004.
Mini-conference on Differential Geometry.	
<i>Osaka University, Japan.</i>	Nov 2004.
Geometry seminar.	
<i>Leeds University.</i>	Dec 2004.
Mathematics Department Colloquium.	
<i>Durham University.</i>	Dec 2004.
Mathematics Department Colloquium.	
<i>Glasgow University.</i>	Feb 2005.
Geometry seminar.	
<i>Oxford University.</i>	Feb 2005.
COW Algebraic Geometry seminar.	
<i>National Taiwan University.</i>	Mar 2005.
Series of 3 lectures on Special Lagrangian geometry.	
<i>The Chinese University of Hong Kong, Institute of Mathematical Sciences.</i>	Mar 2005.
Series of 6 lectures on Special Lagrangian geometry.	
<i>Osaka City University, Osaka, Japan</i>	Jan 2006.
Conference on “Integrable systems, Geometry and Visualization”.	
<i>Kyoto University, Kyoto, Japan</i>	Jan 2006.
Differential Topology seminar.	
<i>Tokyo Metropolitan University</i>	Feb 2006.
Mini-conference on Differential Geometry.	
<i>Oxford University</i>	Feb 2006.
Geometry seminar.	
<i>Columbia University, New York.</i>	Apr 2006.
Geometry seminar.	
<i>Johns Hopkins University, Baltimore.</i>	Apr 2006.
Analysis seminar.	
<i>M.I.T., Cambridge</i>	Apr 2006.
Geometry seminar.	
<i>Georgia Institute of Technology.</i>	Apr 2006.
Geometry-topology seminar.	
<i>American Institute of Mathematics, Stanford.</i>	Jun 2006.
Calibrations Workshop.	
<i>Stanford University.</i>	July 2006.
Geometry and analysis seminar.	
<i>Durham University.</i>	Aug 2006.
Research Symposium on “Methods of Integrable Systems in Geometry”.	
<i>Institute for Mathematical Sciences, Imperial College.</i>	Feb 2007.
Geometry and String theory seminar.	
<i>University of Kent.</i>	Feb 2007.
Department colloquium.	
<i>Brown University.</i>	Feb 2007.
Geometry seminar.	
<i>Princeton University.</i>	Apr 2007.
Differential Geometry and Geometric Analysis.	
<i>Oxford University.</i>	May 2007.
String Theory seminar.	
<i>Oxford University.</i>	May 2007.

Geometry seminar. <i>Loughborough University.</i>	May 2007.
Mathematical Physics seminar. <i>Warwick Maths Institute.</i>	May 2007.
Department Colloquium. <i>C.I.R.M. Luminy</i>	June 2007.
Conference on Geometry and partial differential equations. <i>Oberwolfach.</i>	July 2007.
Differential geometrie im Grossen; organisers: Biquard, Kleiner, Leed, Tian. <i>Oxford University.</i>	Nov 2007.
Symplectic and Algebraic Geometry seminar. <i>Banff International Research Station for Mathematical Innovation.</i>	Feb 2008.
Special structures in Riemannian geometry. <i>Leeds University.</i>	March 2008.
Differential Geometry seminar. <i>Oberwolfach.</i>	July 2008.
Geometrie. Organisers: Taimanov, Wilking and Lott. <i>University of California Santa Barbara.</i>	Oct 2008.
Differential Geometry seminar. <i>Stanford University.</i>	Oct 2008.
Symplectic Geometry seminar. <i>Stanford University.</i>	Nov 2008.
Geometry seminar. <i>Mathematical Sciences Research Institute, Berkeley.</i>	Nov 2008.
Analysis on Singular Spaces. <i>University of British Columbia.</i>	Nov 2008.
Geometry/PDE seminar. <i>University of California Irvine.</i>	Dec 2008.
Differential Geometry seminar. <i>University of California San Diego.</i>	Dec 2008.
Geometry seminar. <i>National Taiwan University, Taipei, Taiwan.</i>	Dec 2008.
Ninth Pacific Rim Geometry Conference. <i>Osaka City University International Academic Symposium.</i>	Dec 2008.
Riemann Surfaces, Harmonic Maps and Visualization. <i>University of Leeds</i>	March 2009.
Variational Problems in Differential Geometry. <i>MIT, Cambridge</i>	April 2009.
Differential Geometry seminar. <i>University of Texas at Austin.</i>	April 2009.
Geometry seminar. <i>Nantes University, France</i>	July 2009.
Geometry of Einstein metrics. <i>Brown University</i>	Sept 2009.
Geometry and Topology seminar. <i>Mathematisches Institut, Westfälische Wilhelms-Universität, Muenster</i>	Oct 2009.
Geometry seminar. <i>Laboratoire Jean Leray, Nantes University, France</i>	Nov 2009.
Conference on Kahler and related geometries. <i>Cambridge University</i>	Dec 2009.
Algebraic Geometry seminar. <i>Glasgow University</i>	Dec 2009.
Geometry and Topology seminar <i>Rice University</i>	Feb 2010.
Geometry-Analysis seminar <i>TCU Fort Worth</i>	Feb 2010.
Texas Geometry and Topology Conference	

<i>Braniewo, Poland</i>	March 2010.
Second Killing-Weierstrass Colloquium	
<i>Edinburgh University</i>	April 2010.
British Mathematics Colloquium.	
<i>University of California, San Diego</i>	Sept 2010.
Differential Geometry seminar.	
<i>Harvard University</i>	Sept 2010.
Differential Geometry seminar.	
<i>SUNY Stony Brook</i>	Sept 2010.
Geometry seminar	
<i>SUNY Stony Brook</i>	Sept 2010.
Colloquium	
<i>Cardiff University</i>	Nov 2010.
Mathematical Physics seminar.	
<i>UK-Japan Winter School</i>	Jan 2011.
King's College London.	
<i>Extremal Kähler geometry workshop</i>	March 2011.
Simons Center for Geometry and Physics.	
<i>Northwestern University</i>	April 2011.
PDE/Analysis seminar.	
<i>Conference on special Lagrangian geometry</i>	July 2011.
National Taiwan University, Taipei, Taiwan	
<i>Differential Geometry seminar</i>	Sept 2011.
University of California, Berkeley	
<i>Brussels-Cologne joint seminar on Symplectic and Contact Geometry</i>	Oct 2011.
Université Libre de Bruxelles.	
<i>King's College Geometry Day 2</i>	Nov 2011.
King's College London	
<i>Workshop on Hyperkähler Geometry and related topics</i>	Dec 2011.
Hausdorff Research Institute for Mathematics, Bonn.	
<i>Manifolds with Special Holonomy and their Calibrated Submanifolds</i>	May 2012.
Banff International Research Station for Mathematical Innovation and Discovery	
<i>Geometry and Physics (GAP) 2012</i>	May 2012.
Perimeter Institute and University of Waterloo, Canada.	
<i>Analysis and Geometric Singularities</i>	May 2012.
Oberwolfach	
<i>UK-Japan Mathematical Forum on Geometry, Probability and their applications.</i>	July 2012.
Keio University.	
<i>Quarterly seminar on Geometry and Topology</i>	Sept 2012.
Universiteit Utrecht.	
<i>London Geometry and Topology seminar</i>	Oct 2012.
Imperial College London.	
<i>Cycles, Calibrations and Nonlinear PDE</i>	Oct 2012.
Conference in honour of Blaine Lawson, Stony Brook University.	
<i>Mathematical Physics seminar</i>	March 2013.
DAMTP, Cambridge University.	
<i>Progress in Surface Theory</i>	April 2013.
Oberwolfach.	
<i>Conference in honour of Jim Simons' 75th birthday</i>	May 2013.
CUNY New York.	
<i>Geometric Analysis seminar</i>	June 2013.
Princeton University.	
<i>Workshop on Minimal Submanifolds & Related Topics</i>	August 2013.
Hannover.	
<i>Geometry seminar</i>	Sept 2013.
Stanford.	

<i>Geometric Analysis seminar</i> MIT.	Nov 2013.
<i>Workshop on complex Monge-Ampère equations on compact Kähler manifolds</i> Banff International Research Station, Canada.	Apr 2014.
<i>LMS-CMI Summer School</i> Imperial College London.	July 2014.
<i>G₂ geometry programme</i> Simons Center for Geometry and Physics, Stony Brook.	Sept 2014.
<i>London Geometry and Topology seminar</i> Imperial College London.	Jan 2015.
<i>Department Colloquium</i> Warwick Mathematical Institute.	March 2015.
<i>Séminaire d'Analyse et Géométrie</i> Institut de Mathématiques Jussieu, Paris.	April 2015.
<i>Geometry and Analysis seminar</i> Oxford Mathematical Institute.	May 2015.
<i>Oberseminar Differentialgeometrie</i> Westfälische Wilhelms-Universität Münster.	Nov 2015.
<i>Department of Mathematics and Physics Kolloquium</i> Leibniz Universität Hannover	Nov 2015.
<i>End of Year London Geometry conference</i> King's College London	Dec 2015.
<i>Southern California Geometric Analysis conference</i> University of California Irvine.	Jan 2016.
<i>Bay Area Differential Geometry seminar</i> Stanford University.	Feb 2016.
<i>Differential Geometry in the Large (Wolfgang Meyer 80th birthday conference)</i> University of Florence.	July 2016.
<i>Inaugural meeting of Simons Collaboration on Special holonomy in geometry, analysis and physics</i> Simons Center for Geometry and Physics, Stony Brook.	Sept 2016.
<i>Mathematics Colloquium</i> Universidad del Pas Vasco, Bilbao	(Nov 2016.)

OTHER SCIENCES

<i>Potsdam, Germany.</i> Royal Society/ Junge Academie, UK-German Frontiers of Science Symposium. Sole UK mathematician and sole Imperial scientist invited to speak at meeting. The Frontiers of Science is a series of meetings designed to "bring together the best young researchers—the next generation of leaders—in science, from the UK & Germany and explore new opportunities for collaboration."	May 2008.
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------

INTERNATIONAL LECTURE SERIES

<i>Centro di Ricerca Matematica, Pisa.</i> One of main lecturers in Programme on Calabi-Yau geometry & special holonomy.	Sep 2004.
<i>National Taiwan University.</i> Series of 3 lectures on Special Lagrangian geometry.	Mar 2005.
<i>The Chinese University of Hong Kong, Institute of Mathematical Sciences.</i> Series of 6 lectures on Special Lagrangian geometry.	Mar 2005.
<i>National Taiwan University.</i> Summer school on Geometry: <i>Analytic methods in special Lagrangian geometry.</i>	July 2011.
<i>Yongpyong, Korea.</i> Korean Institute for Advanced Study, 6th Winter School on Differential Geometry	Feb 2012.

CUNY Graduate Center.

May 2013.

Series of 4 lectures jointly with Robert Bryant on *Riemannian Holonomy* at Jim Simons' 75th birthday conference.

Other lecturers: Deligne, Dijkgraaf, Hopkins, I. Singer, White, Witten.

Mathematical Sciences Research Institute, Berkeley.

Jan 2016.

2 lectures on Ricci-flat spaces and metrics with special and exceptional holonomy.

Introductory workshop: Modern Riemannian Geometry.