

Curriculum Vitae

Kevin Buzzard

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Date of birth: 21 Sept 1968

Nationality: British

Jobs:

Year	Job
Oct 2004–present	Professor, Imperial College London.
Jan 2006–Jun 2006	Visiting Professor, Harvard University.
Oct 2002–Sep 2004	Reader, Imperial College London.
Oct 2002–Dec 2002	Visiting Professor, Harvard University.
Oct 1998–Sep 2002	Lecturer, Imperial College London.

Fellowships:

Year	Fellowship
Sep 2004–Mar 2010	Advanced Research Fellow, EPSRC.
Feb 2000–July 2000	Member, Institute Henri Poincaré, Paris.
Aug 1997–Sep 1998	Trinity College Junior Research Fellow, Cambridge.
Jan 1996–Jul 1997	Miller Research Fellow, UC Berkeley.
Sep 1995–Dec 1995	Member, Institute for Advanced Studies, Princeton.
Oct 1994–Aug 1995	Trinity College Junior Research Fellow, Cambridge.

Prizes:

Year	Prize
2008	Senior Berwick Prize (London Mathematical Society).
2002	Whitehead Prize (London Mathematical Society).
2002	Award for Excellence in teaching (Imperial College internal award).
1993	Smith Prize (University of Cambridge).

Degrees:

Year	Name of degree
1996	PhD (Univ. of Cambridge) (under Dr. R. Taylor) (viva date: June 1995).
1994	M.A. (Univ. of Cambridge).
1991	Certificate of advanced study in mathematics (Part III) (1st in pure maths).
1990	B.A. (Univ. of Cambridge) (1st in the year).

Grants awarded:

Year	Grant awarded	Amount
2005	EPSRC Project Studentship (Shu Sasaki)	
2004	EPSRC Advanced Research Fellowship	£256,907
2001	University of London Central Research Fund grant for computer to aid computational side of research	£4,953
2001	CASE studentship awarded for finding of one PhD student.	£13,200
2001	EPSRC Fast Stream grant for a post-doc	£61,739
2000	Sub-node of European Number Theory Network	
2000	Sub-node of EAGER, European algebraic geometry network	

Post-docs mentored:

Year	Post-doc
2001–2003	Jon Dee.
2006–2008	Sarah Zerbes.
2009–2011	Wansu Kim.

PhD students: (asterisk indicates a current student)

Year commenced	Name
1999	L. Kilford
1999	D. Jacobs
2000	E. Nevens
2001	T. Gee
2001	D. Snaitth
2002	A. Joyce
2004	A. Paulin
2004	S. Sasaki
2005	D. Loeffler
2006	O. Jones
2007	J. Newton
2009	H. C. Johansson
2010	J. Ludwig

Conference talks:

(only a selection!)

Year Conference/seminar

- 2012 H. Hida 60th birthday conference, UCLA.
- 2011 Automorphic Forms: New directions, Oberwolfach, Germany.
- 2011 Automorphic forms and Galois representations, EPSRC-LMS Durham conference.
- 2011 Young Researchers in Mathematics, Warwick University.
- 2010 Canadian Number Theory Association conference, Wolfville, Nova Scotia.
- 2009 Automorphic forms and the Langlands Programme, Spitalfields Day, Newton Institute, Cambridge.
- 2009 "Potential modularity", Spitalfields Day, Newton Institute, Cambridge.
- 2009 Heilbronn Annual Conference, Univ. of Bristol.
- 2008 Ken Ribet's 60th Birthday conference, MSRI.
- 2006 p -adic representations, modularity, and beyond, AIM, Palo Alto CA.
- 2006 (two talks), p -adic modular forms and applications, Luminy, France.
- 2006 Bryan Birch's 75th Birthday conference, Heilbronn Institute.
- 2004 Harmonic analysis and number theory conference, Exeter.
- 2004 LMS Symposium on L -functions and Galois representations, Durham.
- 2003 p -adic variation of motives conference, Banff, Canada
- 2003 L. Szpiro 60th birthday conference, Orsay, Paris.
- 2003 Van der Waerden 100th anniversary conference.
- 2001 British Maths Colloquium, Glasgow.
- 2000 Arithmetic Geometry conference, Utrecht.
- 2000 Automorphic Forms conference, Institut Henri Poincaré, Paris.
- 1999 MSRI conference on modular forms and elliptic curves.
- 1998 Journées Arithmétiques, Rome.

Invited Courses.

(not including standard teaching requirements)

Year Course

- 2006 6 lectures on modular forms, as part of LMS/EPSRC Short Course.
- 2006 Course on Eigenvarieties (30 lectures), Harvard University
(as part of the "Eigenvarieties" semester).
- 2003 Course on p -adic modular forms (30 lectures), Harvard University.
- 2002 6 lectures on modular forms, LMS/EPSRC Short Course.
- 2001 Mini-course (4 lectures) on p -adic modular forms, Univ. Paris 13
- 2001 Mini-Course (4 lectures) on p -adic modular forms, Arizona Winter School conference
- 2000 Mini-course (4 lectures), conference on automorphic forms, Strasbourg

Conferences Organised.**Year Conference**

- 2004 L -functions and Galois representations (LMS Symposium), Durham.
- 2003 p -adic variation of Motives, Banff, Canada.

Books edited.**Year Book**

- 2007 L -functions and Galois representations, LMS Lecture Note Series 320,
with J. Nekovar and D. Burns.

Teaching

Undergraduate/MSc level: Foundations of analysis, Algebra II (groups, vector spaces etc), Algebra III (ring theory), Elementary Number Theory, Algebraic Number Theory, Elliptic Curves, Modular Forms, mathematics for mechanical engineers.

Year	Course
2003	1st year mathematics to mechanical engineers (ME1).
2001–2005, 2007	Elliptic curves (MSc course)
1999,2003	Algebraic number theory (M3P15)
1999–2001	Foundations of analysis (M1F)
1998–2001	Elementary Number Theory (M3P14)
1997	Modular Forms (Cambridge Part III)

Graduate level:

Year	Course
2009	L-functions (Tate's thesis)
2006	Automorphic forms
2006	Finite Flat Group Schemes
2005	The Eigencurve
2004	Representations of real groups
2003	Representations of reductive p -adic groups
2002	Mod p modular forms
2001	Hida Theory
2000	The Eigencurve
1997	Short course on Coleman theory (Cambridge)

Administration.

As well as the list below I have organised at least one graduate number theory study group each year since 1996.

Year	Job
1998–present	Organiser, “PLUS!” undergraduate mathematics club.
1998–present	Organiser (and founder), London Number Theory Seminar