

Stephen M. Buckley: Curriculum Vitae

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Date of Birth	8 February, 1963
Nationality	Irish
Languages	Native: English Fluent: Irish Reading Level: French (good), Spanish (good), Finnish (moderate)
Education	1990 Ph.D. (U. Chicago, Mathematics) 1985 M.S. (U. Chicago, Mathematics) 1984 M.Sc. (NUI Cork, Mathematics), 1st Class Hon. 1983 B.Sc. (NUI Cork, Mathematical Science), 1st Class Hon.
Employment	2007– Head of Mathematics Department, NUI Maynooth 2005– Professor, NUI Maynooth 1997–04 Senior Lecturer, NUI Maynooth 1993–97 Lecturer, NUI Maynooth 1990–93 Assistant Professor, U. Michigan 1986–90 Part-time lecturer, U. Chicago
Awards/Fellowships	2007–09 Spanish network grant (Ministry of Science and Technology) 2006–09 PI: Research grant (Science Foundation Ireland: RFP) 2006 Ten-week research stipend (U. Cincinnati: Taft Fund) 2003–06 Spanish network grant (Ministry of Science and Technology) 2003–07 PI: Basic Research Grant (Enterprise Ireland) 2002–04 PI: Research grant (NUI Maynooth: Enhancement Fund) 1998–02 PI: Basic Research Grant (Enterprise Ireland) 1997–99 Node coordinator: network grant (EC) 1995–97 PI: Basic Research Grant (Forbairt) 1996 Two-month research stipend (U. Jyväskylä, Finnish Academy) 1995 Senior Visiting Fellowship (Royal Irish Academy) 1992–95 PI: Research grant (U.S. NSF) 1988 Graves Teaching Award (U. Chicago) 1985–88 Travelling Studentship (NUI; first place) 1984–86 University Fellowship (U. Chicago) 1983–84 Postgraduate Fellowship (NUI Cork) 1980–83 College & Keliher Scholarships (NUI Cork).
Research talks	Over the period 1995–2008, I gave 97 one-session research talks (seminars, colloquia, conference talks), plus five short courses to departments or summer/winter schools. I have given 24 invited conference talks, and one or more seminars or colloquia at 30 institutions (9 in Ireland, 11 elsewhere in Europe, and 10 in the US). Here are some of the more significant talks that I have given: May 2008 Ann Arbor; Geometric Analysis conference Feb 2008 Seville; short course on Curvature and Complex Analysis Aug 2006 Seville; Geometric Analysis conference

Jan-Mar 2006 U. Cincinnati; short course on Negative Curvature
 Jan 2005 Reykjavik; Franco-Nordic Conference
 Jul 2004 Banach Center, Poland; Metric Measure Spaces conference
 Apr 2004 Belfast; IMS-BMC meeting
 Nov 2003 Copenhagen; geometry and Global Analysis conference
 Mar 2002 Ann Arbor; AMS regional meeting
 May 2000 U. La Laguna; short course on Sobolev Spaces
 May 1999 Haifa, Israel; Quasiregular Mappings conference
 Aug 1998 Berlin; International Congress (ICM) satellite conference
 Jun 1997 Saariselkä, Finland; Geometric Function Theory “Euroconference”
 Sep 1996 U. Jyväskylä; short course on Harmonic Analysis

Conferences attended Over the period 1995–2008, I attended 44 conferences and summer schools (16 in Ireland, 23 elsewhere in Europe, and 5 in the US). Here are the most recent ones:

Sep 2008 Irish Mathematical Society meeting, Cork
 May 2008 Geometric Analysis meeting, Ann Arbor
 Feb 2008 Geometric Analysis Winter School, Seville
 Sep 2007 Irish Mathematical Society meeting, Dublin
 Aug 2006 Geometric Analysis conference, Seville
 May 2006 4th Irish Geometry Conference, Cork

Research visits (one month or more) U. Cincinnati, 2006 (three months)
 U. Bern, 2003 (one month)
 U. Michigan, Ann Arbor, 2001–02 (ten months)
 U. Jyväskylä, 1998 (three months) and 1996 (two months)

Conferences organised Geometric analysis summer school (NUIM, June 2009)
 D. Walsh and R. Watson meeting (NUIM, April 2009)
 3rd Irish Geometry Conference (NUIM, May 2005)
 Geometric function theory conference (NUIM, June 1999)
 I also acted as webmaster for annual meetings of the Irish Mathematical Society and Irish Mathematics Students Association held in NUI Maynooth (Aug. 2000 and Nov. 2000, respectively).

Postdocs supervised; current position of holder

2005–09 Kurt Falk; postdoc at NUIM
 2007–07 Jane MacDougall; associate professor at Colorado College
 2003–05 Simon Kokkendorff; postdoc at Technical U. of Denmark
 2001–02 Andre Diatta; postdoc at U. Liverpool
 2000 Nageswari Shanmugalingam; associate professor at U. Cincinnati

Courses taught**Undergraduate:**

Differential and integral calculus of one and several variables; Linear algebra; Real analysis; Complex analysis; Metric spaces; Point set topology; Numerical analysis; Ordinary differential equations; Partial differential equations; Lebesgue integration; Dynamical systems and fractals; Advanced mathematics for engineers; Probability theory; Data analysis; Statistical inference; Financial mathematics.

Postgraduate:

Functional analysis, Epidemiology.

Short courses for fellow researchers:

Curvature and Complex Analysis; Negative curvature; Sobolev spaces; Quasiconformal mappings and applications; Topics in harmonic analysis.

Other contributions

Member of NUIM Academic Support Services Committee

Member of several past and present ad hoc departmental committees, notably one concerned with module reorganisation

Departmental representative, Arts Faculty meetings

Trainer for Mathematics Olympiad (NUIM training sessions plus occasional national meetings)

President and former vice-president, North Kildare Mathematics Problem Club

Member of NUIM mentoring scheme

Previously I have done a variety of other tasks including: Departmental webmaster (Jan. 2000–July 2004); liaison to NUIM Mathematics Society (various times); departmental seminar organiser ('95–'96); host of '96 and '07 Irish Intervarsity Mathematics Competitions; organiser of local qualifying tests for Intervarsity (several occasions).

Member

Irish Mathematical Society

Irish Federation of University Teachers

North Kildare Mathematics Problem Club