

Neil DOBBS

Born 26th January 1980, Waterford, Ireland
Irish nationality

E-mail: neil.dobbs@gmail.com

Professional address:
KTH Matematik
Lindstedtsvägen 25
Stockholm 10044

Career

- 2008-2010 — **Postdoc, KTH, Stockholm.** Funded by Göran Gustafsson Stiftelse (2008-09) and Knut och Alice Wallenbergs Stiftelse (2009-10). Supervisor: Michael Benedicks.
- 2007-2008 — **Postdoc, IMPAN, Poland.** Funded by EU training network CODY. Supervisor: Feliks Przytycki, Institute of Mathematics, Polish Academy of Science.
- 2006-2007 — **ATER** at Université Paris-Sud. Research and teaching position.
- 2003-2006 — **Allocataire de Recherche, Moniteur** at Université Paris-Sud. French government PhD grant. Additional teaching assistant/tutor grant.

Education

- 2003-2006 — **PhD in Dynamical Systems**, supervisor: Jacek Graczyk, “*Critical points, cusps and induced expansion in dimension one*”, Laboratoire de Mathématiques, Université Paris-Sud, Orsay, France.
Jury: Michael Benedicks (rapporteur, KTH Stockholm); Jacek Graczyk (Orsay); François Ledrappier (Notre Dame, USA); Jean-Paul Thouvenot (Paris VI); Sebastian van Strien (rapporteur, Warwick); Wendelin Werner (Orsay).
- 2002-2003 — **DEA Maths Pures**, Université Paris-Sud. Grade “Bien”.
Courses followed: *Differential Geometry, Dynamical Systems, Symplectic Topology.*
— **DEA thesis:** “Mesures conformes” under the direction of Jacek Graczyk.
- summer 2002 — **Scuola Matematica Interuniversitaria**, Perugia, Italy. Summer school. Five weeks. Grade “AA”.
Courses followed: *Functional Analysis* by Hari Bercovic (Indiana U), *Complex Analysis* by Ricardo Perez-Marco (UCLA) and Artur Nicolau (Barcelona).
- 1997-2001 — **B.A. Maths, Trinity College**, Dublin. First class honours.
Gold medal recipient: *Awarded each year to the twenty best graduating students of Trinity College.*
- 1999 — **Trinity Foundation Scholarship** : First place at the “Scholarship Exam” of Trinity College. *Five years of free tuition, accommodation and meals.*
- June 1997 — Leaving Certificate, grade 580/600, Ireland.

Languages

- English (mother tongue), French, Irish; basic Italian, Polish, Swedish, Spanish.

Scientific Experience

- Sept 2009 — **Conference (Plenary speaker)**, Conformal Structures and Dynamics, Będlewo, Poland. One week.
- May 2009 — **Conference**, Dynamical trends in Analysis, KTH, Stockholm. One week.
- April 2009 — **Conference**, CODY mid-term conference, Warwick University. One week.
- March 2009 — **Research visit**. University of Porto, Portugal.
One week, invited by Mike Todd.
- Nov-Dec 2008 — **Research visit**. Universidad Católica del Norte, Antofagasta, Chile.
Three weeks, invited by Bartek Skorulski.
- July 2008 — **Conference**, Misiurewicz Conference, Będlewo, Poland. One week.
- Feb 2008 — **Research visit**. University of Porto, Portugal.
One week, invited by Mike Todd.
- Nov-Dec 2007 — **Research visit**. Universidad Católica del Norte, Antofagasta, Chile.
5 weeks, invited by Juan Rivera-Letelier.
- December 2007 — **Conference/Workshop**, Dynamical Systems Days, Antofagasta, Chile. Two weeks.
- June 2007 — **Conference**, Non-uniformly hyperbolic dynamics, Lisbon. One week.
- June 2007 — **Conference**, CODY opening conference, Warwick. One week.
- January 2007 — **Graduate School**, Warwick. One week.
- May 2006 — **Workshop**, Geometric Function Theory, Ann Arbor, Michigan. One week.
- June 2005 — **Conference**, Dynamical Systems, Warsaw. One week.
- May 2005 — **School/Conference**, Complex Dynamics, Barcelona. One week.
- Summer 2004 — **Summer school/Conference**, Dynamical Systems, ICTP, Italy. Three weeks.
- 2003 — **Research semester**, Dynamical Systems and Control Theory, SISSA. Three months.
- 1997 — **International Mathematical Olympiad**, Mar del Plata, Argentina. Irish team.

Research-level teaching

- November 2007 — **Mini-course**, Universidad Católica del Norte, Chile.
Positive Lyapunov exponent in one-dimensional dynamics.
Based on my preprint, “A fresh look at the natural extension, partitions and conformal measures for rational maps”. Five lectures, 1h30 each.

Undergraduate-level teaching

- 2006-2007 — **ATER** at Université Paris-Sud. Teaching assistant/tutor.
Probability, Statistics (1st yr), Geometry (4th yr Maths).
- 2003-2006 — **“Moniteur”** at Université Paris-Sud. Teaching assistant/tutor.
2003-04 Probability, Statistics (1st yr), Analysis (2nd yr). 2004-05 Analysis (2nd yr).
2005-06 Calculus (1st yr), Projet Professionnel (1st yr).
- 1999-2001 — **Tutor** at Trinity College, Dublin.
2000-01 Mathematics for engineers, 2nd yr.
1999-2001 Introduction to Computing in the Mathematics Department.