

# CURRICULUM VITAE

for  
Bengt Anders Karlsson

**Date of Birth:** December 30, 1972

**Citizenship:** Swedish

**Address:** Department of Mathematics  
Royal Institute of Technology  
100 44 Stockholm  
Sweden

## **Employment:**

- Research Fellow of the Royal Swedish Academy of Sciences, October 2008-
- Research Associate at the Royal Institute of Technology supported by a grant from the Swedish Research Council, October 2003 - . Docent in mathematics at the Royal Institute of Technology, September 2005.
- Post-doctorant, University of Neuchâtel, October 2002 - October 2003
- Postdoktorand, ETH-Zürich at the FIM, October 2001 - October 2002, and at the mathematics department, October 2000 - October 2001

## **Visiting Positions:**

- Visiting Assistant Professor, Yale University, spring semester 2005
- Researcher, Bielefeld University, June - September, 2000, and yearly visits since 1999

## **Education:**

- *Ph. D., Mathematics*, Yale University, May 2000, and Royal Institute of Technology (KTH), December 2000. Thesis adviser: G.A. Margulis. (Adviser at KTH: T. Kolsrud.)
- *M. S., Mathematics*, Yale University, May 1996
- *M. S., Engineering Physics*, Royal Institute of Technology, Stockholm, March 1994

**Academic Honors:**

- Fulbright Fellowship Program, 1993
- Göran Gustafsson Fellowship, 1994
- “Honnörsstipendium” from Royal Institute of Technology, 1995
- Gunnar Wallquist’s studiemedalj, 1995
- Alfred P. Sloan Dissertation Fellow, 1999
- Göran Gustafsson pris för yngre forskare, 2006
- Wallenberg Prize, 2008

**Grants and Stipends:**

- Sandviken Stipend, 1993; Stipend from Stiftelsen Blanceflor, 1994; Stipend from G.S. Magnussons fond, 1994; Stipend from the Sweden-America Foundation, 1995
- Research grant from the Swedish Research Council (Forskarassistent Projektbidrag 2002-4771), 2003-2007
- Grant for visiting scholars from Göran Gustafsson’s Foundation, 2004 and 2006. A grant from G.S. Magnussons fond, 2006.

**Invited Talks:**

- On several occasions during 1998-2001, I have given talks at the mathematics departments of Yale University, Royal Institute of Technology, Bielefeld University, and the ETH-Zürich
- Princeton University, April 2000; University of Neuchâtel, November 2000; University of Geneva, April 2001; University of Bonn, July 2001; Bielefeld University, August 2002; ETH-Zürich, January 2003; Bielefeld University, March 2003; Royal Institute of Technology, October 2003; University of Illinois at Chicago, November 2003; University of Geneva, June 2004; University of Münster, October 2004; TU Graz, November 2004; CUNY Graduate Center, March 2005; Yale University, April 2005; California Institute of Technology, May 2005; University of Chicago, May 2005; Princeton University, October 2005; KTH, January 2006; Lund University, January 2006; Aarhus Universitet, March 2006; University of Geneva, June 2006; ETH-Zürich, June 2006; KTH, September 2006; University of Bonn / MPI, December 2006; KTH, December 2006; University of Rennes, January 2007; Chalmers University, April 2007, Geneva, November 2007; KTH, January, 2008; Universite Paris-Sud Orsay, April 2008; CUNY, 2008; Wroclaw University, June 2008, University of Fribourg, August 2008; Wroclaw University, October 2008; Chalmers, November 2008; KTH, February 2009

- Colloquia: Geneva, April 2003; Fribourg, May 2003; Karlsruhe, July 2003, Copenhagen, June 2007, Stockholm, November 2007, Linköping, May 2009
- Talks given at the following conferences: Stochastic Analysis, Durham, 1999; Random Systems, Oberwolfach, 1999; Dynamical Systems, Pennsylvania State University, 1999; Geometric rigidity and number theory, Newton Institute, Cambridge, 2000; Topological Methods in Group theory, Oberwolfach 2001; Random Walks, Schrödinger Institute, Vienna, 2001; Swiss seminar on hyperbolic geometry, Bern, 2001; Advances in Rigidity Theory, ETH-Zürich, 2002; Geometry and dynamics of groups, Luminy, 2002; Third Days of Hyperbolic Geometry, Gdansk, 2002; Group theory, Gaeta, 2003; Discrete Random Walks, Institut Henri Poincaré, Paris, 2003; SMG Herbsttagung, Solothurn, 2003; AMS-meeting, Athens, Ohio, 2004; Random walks, Lille, 2004; Nordic Congress of Mathematicians, Iceland, 2005; Boundaries in geometric group theory, AIM, 2005; DMS-EMS Joint Mathematical Weekend, Copenhagen, 2008; Groups and Dynamics, Les Diablerets, 2008; Ergodic Theory and Geometry, Manchester, 2008; JAMI, Johns Hopkins, 2008; Geometric group theory, hyperbolic dynamics and symplectic geometry, Oberwolfach, 2008; Structural probability, ESI, Wien, 2008; Midrasha Mathematicae, Jerusalem, 2008; Nordic Congress of Mathematicians, Oslo, 2009
- Minicourse at Atelier Karlsson-Ledrappier, Université de Provence, Marseille, May 2006. Minicourse at Probabilistic and Dynamical Properties of (semi-)group actions, USACH, Santiago, Chile, January 2008. Ecole Polytechnique, April 2008. Course at Wroclaw University, June 2008.

**Doctoral Students:**

- Principal adviser of Michael Björklund, KTH, Ph.D. 2009

**Teaching Experience:**

- In Stockholm during the summer of 1994, I taught an advanced mathematics course for gymnasie students
- At Yale during the years 1996-1998, I taught several semesters of calculus. During 2005 I taught “Fields and Galois theory” and a graduate course “Metric geometry and group actions”
- At ETH-Zürich, I was an assistant for courses on complex analysis, differential geometry, and Riemann surfaces
- At Royal Institute of Technology, I lectured a course on ordinary differential equations, fall 2003, and graduate courses “Topics in dynamics and ergodic theory”, spring 2004, and “Flows on homogeneous spaces”, fall 2005. During the fall semesters 2004-2006, I taught several introductory courses

- Popular lectures for incoming students at KTH, on prime numbers, August 2004, August 2007, and on the ABC-conjecture, August 2005. Supervised an essay written by Jan-Andrea Bard, ETH-Zürich, on recurrence in dynamics and additive number theory, and an essay by Eloïse Michellod, EPFL, on spaces of nonpositive curvature.

**Languages:**

Swedish, English, German, and French.