

**Curriculum Vitae<sup>1</sup>**  
**STEVEN HURDER**

**Work Address:**

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**EDUCATION**

- University of Illinois, Urbana-Champaign, Illinois
  - **Degree:** Ph.D. in Mathematics, May 1980
  - **Thesis Title:** *Dual Homotopy Invariants of G-Foliations*
  - **Thesis Advisor:** Franz W. Kamber
- Rice University, Houston, Texas
  - **Degree:** B.A. in Mathematics, May 1975

**UNIVERSITY POSITIONS HELD**

**Academic Appointments**

- Professor Emeritus, University of Illinois at Chicago, 2012–present
- Director of Undergraduate Studies, University of Illinois at Chicago, 2007–2011
- Director of Graduate Studies, University of Illinois at Chicago, 2004–2006
- Professor, University of Illinois at Chicago, 1990–2012
- Ulam Visiting Professor, University of Colorado, 1988–89
- Member, Institute for Advanced Study, Princeton, Fall 1987
- Associate Professor, University of Illinois at Chicago, 1986–89
- Assistant Professor, University of Illinois at Chicago, 1985–86
- Member, Mathematical Sciences Research Institute, Berkeley, 1983–85
- Instructor, Princeton University, 1981–83
- Member, Institute for Advanced Study, Princeton, 1980–81

**Visiting**

- Professor Invité, Université de Strassbourg, France, October/November 2012
- Professor Invité, Université de Nice, France, April 2012
- Visitor, Centre de Recerca Matemàtica, Barcelona, Spain, April–May 2010
- Professor Invité, Institut Henri Poincaré, Paris, France, January–March 2007
- Invited Professor, Chuo University, Tokyo, Japan, September 2003
- Professor Invité, Université de Bourgogne, Dijon, France, March 1999
- Professor Invité, École Normale Supérieure, Paris, June 1998
- Professor Invité, Université de Toulouse, France, March 1996
- Visitor, Universidade de Santiago de Compostela, Spain, September 1994
- Invited Professor, University of Tokyo, Japan, April 1994
- Professor Invité, Université de Lyon I, February 1994
- Visitor, Humbolt University, Berlin, June 1993
- Visitor, Universidade de Santiago de Compostela, Spain, May 1992
- Member, Mathematical Sciences Research Institute, Berkeley, April 1992
- Visitor, Institut Hautes Etudes Scientifique, Bures-sur-yvette, June, 1987
- Visitor, Free University of Berlin, Germany, May 1987
- Visitor, Mathematical Institute, Oxford, Spring, 1987
- Professor Invité, Université de Lille, I, France, May 1986

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<sup>1</sup>October 20, 2024

## RESEARCH INTERESTS

- Ergodic theory & dynamics of foliations
- Differential topology & geometry of foliations
- Smooth ergodic theory & rigidity of group actions
- Spectral & index theory of foliated operators

## FELLOWSHIPS, AWARDS AND PROFESSIONAL RECOGNITION

- UIC Luminary Award, 2010
- UIC Award for Excellence in Teaching, 2007
- University Scholar, University of Illinois, 1991-94
- Invited Hour Speaker, A.M.S. Regional Meeting, Kansas, October 1988.
- Alfred P. Sloan Foundation Fellowship, 1985-87
- Mathematical Sciences Research Institute Fellowship, 1983-85
- Institute for Advanced Study Fellowship, 1980-81
- Multiple invitations to give Colloquia & Lectures
- Multiple invitations to give “mini-courses”: MSRI 1983–85, Berlin 1987, Boulder 1988–89, Berlin 1992, Tokyo 1994, Tokyo 2003, IHP Paris 2007, Barcelona 2010, Staten Island 2014

## POSTDOCTORAL RESEARCH SUPERVISION

- Chris Connell, doctorate from University of Michigan, 1999  
NSF Postdoctoral Fellowship 1999-2001
- Hellen Colman, doctorate from University of Santiago de Compostela, 1998  
Fellowship from the Xunta Galicia, Spain 1999-2000
- Andrzej Biś, doctorate from Łodz University, Poland, 1995  
European Union Fellowship Commission Marie-Curie Fellowship, January 2005–2006
- Dirk Töben, doctorate from University of Köln, 2003  
Fellowship from the Schwerpunktprogramm SPP 1154 of the Deutsche Forschungsgemeinschaft, September 2005 to October 2006, September–October 2007, February–March 2008.
- Ana Rechtman, doctorate from École Normale Supérieure, Lyon, France, 2009  
CONACyT Postdoctoral Research Fellow, January-December 2010.

## GRANT SUPPORT

- Simons Foundation, Collaboration Grant for Mathematicians, 2014-2020.
- Principal Investigator, NSF Research Grants at UIC, 1984-86; 1986-89; 1989-1991; 1991-94; 1994-97; 1997-2000; 2004-07.
- Principal Investigator, NSF Grant on Geometric Rigidity, Boulder May 1989
- Principal Investigator, NSF Grant for Geometry Special Year at UIC, 1987-88
- NSF Summer Grant at Princeton University, 1981-83

## THESIS SUPERVISED

- Andrew Rich: *A Lefschetz Theorem for Foliated Manifolds*, August 1989.
- Mohan Ramachandran: *Eta Invariants for Open Manifolds with Boundary*, August 1990.
- Arek Goetz: *Dynamics of Piecewise Isometries*, August 1996.
- Kristen (Wottreng) Schreck: *Computer Methods in Descriptive and Differential Geometry: Monge’s Legacy*, August 1999.
- Wojciech Florek: *Foliations: A Probabilistic, Potential Theory Approach*, December 2003.
- Joseph Shive: *Conjugation Problems for Hirsch Foliated Manifolds*, August 2005.
- Jessica Dyer: *Dynamics of Equicontinuous Group Actions on Cantor Sets*, December 2015.
- Daniel Ingebretson: *Hausdorff dimension of Kuperberg minimal sets*, August 2018.