

Hossein Namazi

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Born: July 18, 1977

Education

- STONY BROOK UNIVERSITY, MATHEMATICS DEPT. Stony Brook, NY
Jan. 2000 - May. 2005
PhD in Mathematics under supervision of Prof. Minsky.
- SHARIF UNIVERSITY OF TECHNOLOGY, MATHEMATICS DEPT. Tehran, IRAN
Sep. 1995 - Feb. 1999
B.Sc. in Mathematics.

Academic Positions

- UNIVERSITY OF TEXAS AT AUSTIN Austin, TX
Aug. 2008 - Present
Assistant Professor.
- PRINCETON UNIVERSITY, MATHEMATICS DEPT. Princeton, NJ
Sep. 2005 - Aug. 2008
Instructor.
- MATHEMATICAL SCIENCES RESEARCH INSTITUTE Berkeley, CA
Aug. 2007 - Dec. 2007
Postdoctoral Fellowship.
- YALE UNIVERSITY, MATHEMATICS DEPT. New Haven, CT
Aug. 2004 - Aug. 2005
Visiting Assistant in Research in Mathematics.

Research Interests

- Hyperbolic Geometry, Low Dimensional Topology, Kleinian Groups and Teichmüller Theory

Publications

- *Big Heegaard distance implies finite mapping class group*, *Topology and Its Applications* **154** (2007), no. 16, 2939–2949.
- *Heegaard splittings and pseudo-Anosov maps*, Joint with Juan Souto, submitted.
- *Non-realizability and ending laminations*, Joint with Juan Souto, in preparation.
- *Revisiting Thurston's uniform injectivity theorem*, Joint with Juan Souto, in preparation.
- *Quasi-convexity and shrinkwrapping*, in preparation.
- *Heegaard splittings with bounded combinatorics*, in preparation.
- *Splittings, models and bounds in hyperbolic geometry*, Joint with Jeff Brock, Yair Minsky and Juan Souto, in preparation.
- *Heegaard distance and hyperbolization*, Joint with Jeff Brock, Yair Minsky and Juan Souto, in preparation.

Invited Presentations

- University of California at Santa Barbara, Mathematics Dept, Topology Seminar, Oct 2007
- Mathematical Sciences Research Institute, Oct 2007
- Warwick Symposium on Low Dimensional Geometry and Topology, University of Warwick, July 2007
- Geometry and Dynamics in Surfaces and 3-Manifolds, Brown University, May 2007
- Pacific Northwest Geometry Seminar, University of Utah, April 2007
- Princeton University, Mathematics Dept, Topology Seminar, April 2007
- University of Texas at Austin, Mathematics Dept, Topology Seminar, October 2006
- University at Buffalo, Mathematics Dept, Topology Seminar, October 2006
- Princeton University, Mathematics Dept., Topology Seminar, September 2005
- Georgia Topology Conference, University of Georgia, June 2005
- Ahlfors-Bers Colloquium, University of Michigan, May 2005
- Southern California Topology Conference, California Institute of Technology, May 2005
- Brown University, Mathematics Dept., Topology Seminar, March 2005
- University of Illinois at Chicago, Mathematics Dept., Special Seminar, February 2005
- University of Connecticut in Storrs, Mathematics Dept., Geometry Seminar, February 2005
- Columbia University, Mathematics Dept., Topology Seminar, December 2004
- Special Session on Low Dimensional Topology and Kleinian Groups, A.M.S. Sectional Meeting **1001**, Evanston, IL, October 2004
- Yale University, Mathematics Dept. Topology Seminar, October 2004
- Yale University, Mathematics Dept, Joint Topology and Hyperbolic Geometry Learning Seminar, October 2003

Teaching

- Instructor: Integration Theory and Hilbert Spaces, Spring 2008, Princeton University
- Course Head: Several Variable Calculus, Spring and Fall 2006, Princeton University
- Instructor: Several Variable Calculus, Fall 2005, Spring and Fall 2006 and Spring 2007, Princeton University
- Instructor: Several Variable Calculus, Fall 2004, Yale University
- Instructor: Problem Solving in Mathematics, Spring 2004; Problem Solving and Games, Fall 2003; Differential Equations with Applications, Summer 2003; Calculus II, Spring 2003, Stony Brook University
- Teaching Assistant: Calculus I, Fall 2002; Calculus II, Spring 2001; Calculus I, Fall 2001; Calculus I, Fall 2000, Stony Brook University
- Teaching Assistant: Analysis I, Fall 1997, Sharif Univ. of Tech.
- Instructor for the Iranian National Mathematics Olympiad team, Fall 1995-Fall 1999

Awards & Honors

- NSF Grant 0604111 for 3 years
- Clay Mathematics Institute Liftoff Award, Clay Mathematics Institute (Research at Yale University), summer of 2005
- A teaching fellowship and a two month summer stipend from the Office of the Provost, Yale University, 2004-05
- Gold medal winner in Iranian National Mathematics Olympiad, 1995
- Gold medal winner in Iranian National Informatics Olympiad, 1995

Miscellaneous

- Member of A.M.S.
- Co-organizer, joint Topology and Hyperbolic Geometry Learning Seminar, Yale U., Fall 2003
- Organizer, Geometric-Topology Learning Seminar, Stony Brook U., Spring 2003, Fall 2002, Spring 2002, Fall 2001