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**Tullia Dymarz**

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**POSITIONS**

*Yale University, Department of Mathematics, (January 2008 - June 2010)*

**Gibbs Assistant Professor**

*Mathematical Sciences Research Institute, (August 2007 - December 2007)*

Postdoctoral

**EDUCATION**

*University of Chicago*

Ph.D Mathematics (June 2007)     *Thesis Advisor: Benson Farb*

M.A Mathematics (June 2003)

*University of Alberta*

BSc. Honors Mathematics (June 2001)

**RESEARCH INTERESTS**

quasi-isometric rigidity, geometric group theory, solvable groups, boundaries of hyperbolic groups

**PUBLICATIONS**

*Bijjective quasi-isometries of amenable groups.*

Geometric methods in group theory, 181-188, Contemp. Math., 372, Amer. Math. Soc., Providence, RI, (2005)

*Large scale geometry of certain solvable groups.*

To Appear in GAFA (2009)

*Bijjective equivalence is not equivalent to quasi-isometric equivalence for finitely generated groups.*

To Appear in Duke Mathematical Journal (2009)

*Bilipschitz maps of boundaries of certain negatively curved homogeneous spaces.*

Preprint (2009) with I. Peng

*Rigidity with locally compact targets for certain solvable groups.*

In preparation (2009)

**MINI COURSES**

*Lecture Series on Geometry of Solvable Lie Groups - McGill University - December 2008*

*Coarse differentiation and large scale geometry of solvable group Utah - July 2008*

(with D.Fisher, I.Peng, K.Whyte)

**TALKS/SEMINARS**

*CUNY Group Theory Seminar - October 2009*

*University of Maryland - Geometry/Topology Seminar - October 2009*

*XXIst Meeting on Representation Theory of Algebras* - October 2009  
*University of British Columbia- Topology Seminar* - September 2009  
*University of Chicago, Geometry and Topology Seminar* - May 2009  
*AMS sectional meeting, special session on Geometric Group Theory, San Francisco* - May 2009  
*Yale University - Dynamics of Group Actions Seminar* - March 2009  
*CMS Winter meeting, Ottawa* - December 2008  
*CUNY - Geometry Seminar* - October 2008  
*AMS sectional meeting, special session on Geometric Group Theory, Middletown* - October 2008  
*Chico Topology Conference and 40th Cascade Topology Seminar* - May 2008  
*University of California at Davis* - May 2008  
*Singularities in Geometry and Topology - NYU* - March 2008  
*Yale University - Dynamics of Group Actions Seminar* - March 2009  
*University of British Columbia- Topology Seminar* - December 2007  
*MSRI Postdoc seminar* - November 2007  
*University of Illinois at Urbana-Champaign* - February 2007  
*University of Michigan* - November 2006  
*Wasatch Topology Conference, Park City* - Aug 2006  
*Geometric group theory workshop, CRM, Montreal, Canada* - July 2006  
*The Polish Academy of Science, Wroclaw, Poland* - June 2006  
*Université de Lille I, France* - June 2006  
*Ecole Polytechnique, Palaiseau, France* - May 2006  
*Université de Paris-Sud, France* - May 2006

## WORKSHOPS ATTENDED

*Summer school on Quasiconformal Analysis and Boundaries of Hyperbolic Groups*  
 August 2008 Indiana University  
*Workshop on Dichotomy Amenable/Nonamenable in Combinatorial Group Theory*  
 October 2007 AIM  
*Workshop on boundaries in Geometric Group Theory*  
 June 2005 AIM  
*Program for Women in Mathematics: Combinatorial and Geometric Group Theory*  
 May 2005 IAS, Princeton  
*Geometric and combinatorial group theory*  
 Dec 2004 Montreal, Canada  
*Summer School on Non-positively Curved Geometries, Discrete Groups and Rigidity*  
 June 2004 Grenoble, France

## TEACHING EXPERIENCE

*Gibbs Assistant Professor, Yale University.* 2008-2010  
 Math 222 Linear Algebra  
 Math 858 Topics in Geometric Group Theory (Graduate)  
 Math 430 Algebraic Topology (Undergraduate)  
 Math 858 Techniques from Quasi-isometric Rigidity (Graduate)  
 Math 120 Calculus 3 (Course coordinator)  
*Lecturer in Mathematics, University of Chicago.* 2003-2007  
 Math 163 Honors Calculus

Math 195-196 Mathematical Methods for Social Sciences

Math 152-153 Calculus 2 and 3

*Teaching Assistant, University of Chicago, Paris Center. Spring 2006*

*College Fellow in Mathematics, University of Chicago. 2002-2003*

## OTHER EXPERIENCE

*Yale Univeristy*

Co-organizer for Geometry/Topology Seminar 2009/2010

Independent Study - Geometric Group Theory Spring 2009

Co-organizer for Lang Lunches - Spring 2009 (preparing new graduate students for undergraduate teaching)

*University of Chicago*

Research Experience for Undergraduates - Summer 2005

Directed Reading Program - Fall 2005, Spring 2005

## AWARDS

Lawrence and Josephine Graves Prizes for Excellence in Undergraduate Teaching 2005

National Science and Engineering Research Council of Canada. PGS B 2003

National Science and Engineering Research Council of Canada. PGS A 2001 (Declined)

## PERSONAL

Citizenship: Canadian, Polish

Address: 133 Bishop St. Apt 3, New Haven, CT 06511

Languages: English, Polish, French

## REFERENCES

**Professor Benson Farb**

University of Chicago

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**Professor Alex Eskin**

University of Chicago

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**Professor Lee Mosher**

Rutgers University, Newark

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**Professor David Fisher**

Indiana University

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### *Teaching References*

**Dr. Diane Herrmann**

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**Professor Yair Minsky**

Yale University

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