Pengcheng Xu

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EDUCATION

- Ph.D. in Mathematics **Aug 2010–May 2016(expected)**
  Oklahoma State University **Stillwater, OK, USA**
  Advisor: Jesse E. Johnson

- B.S. in Mathematics **Sept 2006–Jun 2010**
  Sun Yat-sen University **Guangzhou, Guangdong, China**

HONORS AND AWARDS

- Jeanne Agnew Endowed Fellowship **April 14, 2015**
- Hamilton Awards for Topology **April 14, 2015**
- Hamilton Awards for Topology **April 17, 2014**
- Hamilton Awards for Topology **April 28, 2011**

RESEARCH INTERESTS

Low dimensional topology, hyperbolic geometry

PAPERS

- P-moves between pants block decompositions of 3-manifolds. (In preparation)

- Ph.D thesis: Pants block decompositions of 3-manifolds. (In preparation)

INVITED TALKS

- University of Georgia **Mar 23, 2015**
  P-moves between pants block decompositions of 3-manifolds, **Athens, Georgia**

- Sun Yat-sen University **Mar 4, 2015**
  P-moves between pants block decompositions of 3-manifolds, **Guangzhou, China**

- Redbud Topology Conference **Nov 1, 2014**
  University of Arkansas **Fayetteville, Arkansas**
  P-moves between pants block decompositions of 3-manifolds

CONFERENCE TALKS

- Moab Topology Conference **May 18-21,2015**
  Utah State University at Moab **Moab, UT**
  P-moves between pants block decompositions of 3-manifolds

- Spring Western Sectional Meeting, **Apr 18-19, 2015**
  University of Nevada, Las Vegas **Las Vegas, NV**
  P-moves between pants block decompositions of 3-manifolds

- The Tenth East Asian School of Knots and Related Topics, **Jan 26-29, 2015**
  East China Normal University **Shanghai, China**
  P-moves between pants block decompositions of 3-manifolds

- The thin manifold: A conference on knots and 3-manifolds, **Aug 5-10, 2014**
  student workshop, University of Iowa **Iowa city, IA**
  Pants decompositions and layered models.

- Graduate Student Topology and Geometry Conference   **Apr 5-6, 2014**
  UT Austin   **Austin, TX**
  Pants decompositions and layered models.

ACTIVITIES

- Workshop on Geometric Structures on 3-Manifolds   **Oct 5-9, 2015**
  Institute for Advance Study   **Princeton, NJ**

- Moab Topology Conference   **May 18-21, 2015**
  Utah State University   **Moab, UT**

- AMS Spring Western Sectional Meeting   **Apr 18-19, 2015**
  University of Nevada, Las Vegas   **Las Vegas, Nevada**

- The Tenth East Asian School of Knots and Related Topics   **Jan 26-29, 2015**
  East China Normal University   **Shanghai, China**

- 4th annual Tech Topology conference   **Dec 5-7, 2014**
  Georgia Institute of Technology   **Atlanta, GA**

- 52nd Texas Geometry and Topology Conference   **Nov 14-16, 2014**
  UT Austin   **Austin, TX**

- 7th Redbud Topology Conference   **Nov 1, 2014**
  University of Arkansas   **Fayetteville, AR**

- Yamabe Symposium   **Oct 17-19, 2014**
  University of Minnesota   **Minneapolis, MN**

- JDG Conference on Geometry and Topology   **Sept 12-14, 2014**
  Harvard University   **Boston, MA**

- The thin manifold: A conference on knots and 3-manifolds   **Aug 5-10, 2014**
  University of Iowa   **Iowa city, IA**

- Topology student workshop   **Jun 9-13, 2014**
  Georgia Institute of Technology   **Atlanta, GA**

- Georgia topology conference   **May 21-25, 2014**
  University of Georgia   **Athens, GA**

- 6th Redbud Topology Conference   **Apr 11-13, 2014**
  University of Oklahoma   **Norman, OK**

- Graduate Student Topology and Geometry Conference   **Apr 5-6, 2014**
  UT Austin   **Austin, TX**

- 5th Redbud Topology Conference   **Oct 26, 2013**
  Oklahoma State University   **Stillwater, OK**

- Geometric Topology in New York   **Aug 12-16,2013**
  Columbia University   **New York, NY**

- Workshop and Conference on the Topology and Invariants   **Jul 30-Aug 10, 2013**
  of Smooth 4-Manifolds, University of Minnesota   **Minneapolis, MN**

- The topology of 3-dimensional manifolds   **May 6-17, 2013**
  Université de Montréal   **Montreal, Canada**

- 3-Manifolds: Heegaard Splittings, the Curve Complex,   **Apr 19-21,2013**
  and Hyperbolic Geometry, Rice University,   **Houston, TX**

- Hot Topics: Surface subgroups and cube complexes   **Mar 18-22,2013**
  MSRI   **Berkeley, CA**

- 4th Redbud Topology Conference   **Mar 8-9, 2013**
  University of Arkansas   **Fayetteville, AR**

- Current Developments in Mathematics 2012   **Nov 16-17, 2012**
  Harvard University   **Boston, MA**

- 48th Texas Geometry and Topology Conference   **Nov 9-11, 2012**
  Rice University   **Houston, TX**

- 3rd Redbud Topology Conference   **Nov 3, 2012**
  University of Oklahoma   **Norman, OK**

- Midwest Topology Seminar Fall 2012   **Oct 27-28, 2012**
  Michigan State University   **Lansing, MI**

- Georgia Topology Conference   **May 9-13, 2012**
  University of Georgia   **Athens, GA**

- 2nd Redbud Topology Conference   **Mar 3-4, 2012**
  Oklahoma State University   **Stillwater, OK**

- 19th Southern California Geometric Analysis Seminar   **Jan 14-17, 2012**
  UC Irvine   **Irvine, CA**

- 1st Redbud Topology Conference   **Nov 19, 2011**
  University of Arkansas   **Fayetteville, AR**

- 46th Texas Geometry and Topology Conference   **Oct 7-9, 2011**
  UT Austin   **Austin, TX**

- 18th Southern California Geometric Analysis Seminar   **Feb 26-27, 2011**
  UCSD   **San Diego, CA**

- 44th Texas Geometry and Topology Conference   **Nov 12-14, 2010**
  Texas A&M   **College Station,TX**

TEACHING EXPERIENCE

Trigonometry	Instructor	Fall 2015
College Algebra	Instructor	Fall 2014
Trigonometry	Instructor	Fall 2013
Calculus III	Instructor	Summer 2013
Elementary Calculus	Instructor	Summer 2011
Elementary Calculus	Teaching Assistant	Spring 2011, Fall 2011, Spring 2012, Fall 2012, Spring 2013