Contact Information	Department of Mathematics University of Oklahoma Norman, OK 73019, USA	Email: rtang@math.ou.edu Webpage: www.math.ou.edu/~rtang/	
CITIZENSHIP	Australian		
Research Interests	Low-dimensional Topology, Geometric Group Theory, Teichmüller Theory, Compu- tational Topology, Dynamical Systems		
Education	University of Warwick , Coventry, United Kingdom, October 2009 – July 2013 PhD Mathematics, Thesis: <i>Covering maps and hulls in the curve complex</i> Supervisor: Brian Bowditch		
	University of Sydney , NSW, Australia, 2005 – 2008 B Science (Honours), First Class Honours with University Medal		
Academic Positions	University of Oklahoma , Norman, Oklahoma, USA, August 2014 – present Postdoctoral faculty member		
Short-term Positions	University of Sydney , NSW, Australia, January 2014 – June 2014 External Lecturer/Tutor		
	Institute for Computational and Experimental Research in Mathematics. Brown University, Providence, Rhode Island, USA, September – December 2013 Postdoctoral visitor for the "Low-dimensional Topology, Geometry, and Dynam- ics" semester program		
	Polish Academy of Sciences (IMPAN), Warsaw, Poland, April – June 2013 Postdoctoral visitor; Mentor: Piotr Przytycki		
Selected Awards	 University of Warwick Faculty of Science Doctoral TI Warwick Postgraduate Researce 	nesis Award, 2014 ch Scholarship, 2009 – 2012	
	 University of Sydney University Medal, 2009 Honours Scholarship, 2008 Dean's Scholarship in Science, Barker Scholarship No IV (sha Dean's Honour List, 2006 – 20 Continuing Undergraduate Scholarship Farrand and Science Scholarship 	2008 ared), 2008 08 nolarship, 2006 ip, 2005	
Publications and Papers	The curve complex and covers via hyperbolic 3-manifolds, Geometriae Dedicata, December 2012, Volume 161, Issue 1, pp 233-237, DOI: 10.1007/s10711-012-9703-7.		
	Projections in the curve complex arising from covering maps, preprint, October 2013 (accepted in Pacific Journal of Mathematics pending revisions)		
	Shadows of Teichmüller discs in the curve graph (with Richard Webb), preprint (submitted), October 2015		

Teaching	University of Oklahoma	
Experience	Lecturer for	
	• One section of <i>Linear Algebra</i> (Spring 2016)	

- One section of *Linear Algebra* (Spring 2016)
- Two sections of *Calculus III* (vectors functions; sequences and series) (Fall 2015)
- Two sections of *Calculus IV* (multivariable calculus) (Spring 2015)
- One section of *Calculus II* (intregal calculus) (Fall 2014)

University of Sydney

- Lecturer for 1st year Discrete Mathematics (Summer 2014)
- Tutor for 2nd year Discrete Mathematics & Graph Theory (Semester 1 2009, Semester 1 2014), 1st year Applications of Calculus (Semester 1 2014), 1st year Discrete Mathematics (Semester 2 2008, Summer 2013 & 2014), 2nd year Linear Mathematics & Vector Calculus (Summer 2013), and 1st year Linear Algebra (Semester 1 & 2 2008, Semester 1 2009).
- Teacher for Extension 1 Mathematics bridging course (February 2009)

University of Warwick

- Teaching assistant for 4th year *Three-Manifolds* (Spring 2012), and 4th year *Geometric Group Theory* (Spring 2011, Spring 2012).
- Supervisor of small groups of undergraduate students (2009 2011).

TALKS GIVEN Invited talks

- "Shadows of Teichmüller discs in the curve complex"
- Geometry, Groups and Dynamics/GEAR Seminar, University of Illinois at Urbana-Champaign (October 2015)
- Redbud Topology Conference, University of Arkansas, USA (November 2014)
- Wasatch Topology Conference, Park City, Utah, USA (August 2014)
- "Projections in the curve complex arising from covering maps"
- Geometry and Topology Seminar, Yale University (December 2013)
- Geometric Group Theory and Topology Seminar, Tufts University (November 2013)
- Geometry and Groups after Thurston, Trinity College Dublin, Ireland (August 2013)
- Differential Geometry and Topology Seminar, University of Wrocław (June 2013)
- North British Geometric Group Theory, University of Glasgow, UK (August 2012)

"Covering relations between curve complexes"

• Fourth de Brún Workshop: Group Actions, National University of Ireland, Galway (December 2010)

Contributed talks

- Spring Topology and Dynamics Conference, Bowling Green State University (May 2015)
- Geometric Group Theory Student Workshop, Będlewo, Poland (May 2013)
- Young Researchers in Mathematics, University of Bristol, UK (April 2012)
- TCC Algebra Event Day, University of Oxford, UK (April 2011)
- Young Researchers in Mathematics, University of Warwick, UK (April 2011)
- TCC Geometry Event Day, Imperial College London, UK (March 2011)

Seminars

- Geometry and Topology Seminar, University of Oklahoma (September 2014)
- Geometry, Topology and Analysis Seminar, University of Sydney (March 2014)
- Geometry and Topology Seminar at Brown and Yale, ICERM (October 2013)
- Postdoc and Graduate Student Seminar, ICERM (October 2013)
- Geometric Group Theory Seminar, IMPAN (April 2013)
- Group Actions Seminar, University of Sydney (February 2013)
- Geometry and Topology Seminar, University of Warwick (November 2012)
- Postgraduate Seminar, University of Warwick (January 2012, January 2011)

• Postgraduate Seminar, University of Sydney (September 2011, September 2010)

SERVICES Co-organiser of the **Redbud Topology Conference**, University of Oklahoma, April 2016

Organiser of the **Geometry and Topology Seminar**, University of Oklahoma, 2015/16

Organiser of the Postgraduate Seminar, Warwick Mathematics Institute, 2011/12

Speaker in the following **Reading Seminars**

- Mapping class groups (Oklahoma), Fall 2015
- Convergence groups are Fuchsian (IMPAN), April 2013
- Hyperbolicity of the Complex of Free Factors (Warwick & Oxford), Autumn 2011
- The Ending Lamination Theorem (Warwick), Summer and Autumn 2011
- Geodesic laminations on surfaces (Warwick), Summer 2010

University of Warwick Taekwondo Club, 2009 - 2012

• Publicity officer and webmaster (2010/11)

Sydney University Mathematics Society, 2005 – 2009

- ΣUMS Puzzle Hunt co-ordinator (2009), puzzle writer and tester (2009, 2010, 2011, 2012, 2014), initial website setup (2009)
- Gave several ΣUMS Talks aimed at undergraduates (April 2009, September 2010, September 2011, May 2014)

CONFERENCE PARTICIPATION

- Impact of Geometric Group Theory, Centre International de Rencontres Mathématiques, Luminy, France (July 2015)
- Dynamics and Geometry in the Teichmüller Space , Centre International de Rencontres Mathématiques, Luminy, France (July 2015)
- Workshop on Mapping Class Groups and $Out(F_N)$, University of Texas, Austin, TX, USA (May 2015)
- Introductory Workshop: Dynamics on Moduli Spaces of Geometric Structures, MSRI, Berkeley, CA, USA (January 2015)
- 52nd Texas Geometry and Topology Conference, University of Texas, Austin, TX, USA (November 2014)
- Sixth Ahlfors–Bers Colloqium, Yale University, New Haven, CT, USA (October 2014)
- Yamabe Memorial Symposium: Current Topics in Three–Manifolds, University of Minnesota, Minneapolis, MN, USA (October 2014)
- Geometric and Asymptotic Group Theory with Applications, University of Newcastle, NSW, Australia (July 2014)
- Computational and Algorithmic Topology, University of Sydney, NSW, Australia (April 2014)
- Geometric Structures in Low-Dimensional Dynamics, ICERM, Providence, RI, USA (November 2013)
- Topology, Geometry and Group Theory, Informed by Experiment, ICERM, Providence, RI, USA (October 2013)
- Exotic Geometric Structures, ICERM, Providence, RI, USA (September 2013)
- Interactions between low dimensional topology and mapping class groups, Max Planck Institute for Mathematics, Bonn, Germany (July 2013)
- Cube complexes and 3–manifolds, University of Illinois, Chicago, USA (May 2013)
- British topology meeting, University of Cambridge, UK (September 2012)
- Measure and asymptotics in group theory and low-dimensional geometry, Trinity College Dublin, Ireland (August – September 2012)
- Progress in low-dimensional topology, Centre for Quantum Geometry of Moduli Spaces, Aarhus University, Denmark (August 2012)

- Cubical complexes and applications, International Centre for Mathematics Sciences, Edinburgh, UK (July 2012)
- Topology and Groups (conference and summer school), Freie Universität Berlin, Germany (June 2012)
- Rigidity and Flexibility in Dimensions 2, 3 and 4, Centre International de Rencontres Mathématiques, Luminy, France (May 2012)
- The Geometry and Dynamics of Teichmüller Spaces, Trinity College Dublin, Ireland (August – September 2011)
- Aspects of hyperbolicity in geometry, topology, and dynamics, University of Warwick, UK (July 2011)
- Geometric presentations of finite and infinite groups, University of Birmingham, UK (July 2011)
- Geometry and Arithmetic of Lattices, University of Durham, UK (July 2011)
- Recent advances in geometric group theory, University of Southampton, UK (June – July 2011)
- Geometry and Analysis on Graphs and Groups, University of Oxford, UK (November 2010)
- Postgraduate Group Theory Conference, University of St. Andrews, UK (June 2010)
- Geometry, Analysis and Logic of Groups, University of Newcastle, UK (April 2010)
- Young Researchers in Mathematics, University of Cambridge, UK (March 2010)
- AMSI Summer School in Mathematics, University of Wollongong, NSW, Australia (Jan – Feb 2009)
- ICE-EM/AMSI Summer School in Mathematics, Monash University, VIC, Australia (Jan – Feb 2008)

Computing SKILLS

Basic Python and Sage