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HOME PAGE	http://www.math.uwo.ca/~ewu22/	
EDUCATION	<p>The University of Western Ontario, Canada: 09/2008 – Present. Ph.D. in Pure Mathematics. In progress. Expected: Aug., 2012.</p> <p>The University of Western Ontario, Canada: 09/2007 – 08/2008. M.Sc. in Pure Mathematics.</p> <p>Zhejiang University, P.R.China: 09/2005 – 07/2007. M.Sc. in Pure Mathematics.</p> <p>Zhejiang University, P.R.China: 09/2001 – 07/2005. B.Sc. in Mathematics and Applied Mathematics.</p>	
RESEARCH INTERESTS	Applications of homotopy theory (model category theory) to branches of mathematics, such as differential geometry, noncommutative geometry, operadic algebras, triangulated categories, etc.	
RESEARCH PREPRINTS	<p>A Model Category Structure on Diffeological Spaces, (joint with Dan Christensen), in preparation.</p> <p>Deformation and Hochschild Cohomology of A_∞ Algebras, extended version of my Master's thesis at Zhejiang University, available at: http://www.math.uwo.ca/~ewu22/notes.html.</p>	
SELECTED TALKS	<p>Jan. 5, 2012, A Homotopy Theory of Diffeological Spaces, Satellite Conference at MIT, MIT, USA.</p> <p>Aug. 27, 2011, Model Categories and Bousfield Localization, 2011 West Coast Algebraic Topology Summer School, University of Washington, Seattle, USA.</p> <p>Apr. 11, 2010, An Introduction to Diffeological Spaces, Eighth Annual Graduate Student Topology and Geometry Conference, The University of Michigan in Ann Arbor, USA.</p> <p>Feb. – Mar., 2010, Eight talks on Chern-Weil's Approach to Chern Classes for Vector Bundles, Noncommutative Geometry Seminar, The University of Western Ontario, Canada.</p> <p>Mar. 19, 2010, Diffeological Bundles and the Irrational Torus, Stacks Seminar, The University of Western Ontario, Canada.</p> <p>Nov. – Dec., 2009, Three talks on Freeness of Modules over the Steenrod Algebra, the</p>	

Steenrod Algebra Learning Seminar, The University of Western Ontario.

Oct. 24, 2009, A Brief Survey of Some Algebraic Aspects of A_∞ Algebras and Related Triangulated Structures, AMS Special Session on New Trends in Triangulated Categories and Their Associated Cohomology Theories, Pennsylvania State University, USA.

May 12 and 26, 2009, Triangulated Categories, I and II, UWO Learning Seminar on Stable Homotopy Theory, The University of Western Ontario, Canada.

Oct. 24, 2008, Deformation and Hochschild Cohomology of A_∞ Algebras with an Application, Algebra Seminar, The University of Western Ontario, Canada.

Oct. 17 and 24, 2008, Examples of Connection and Curvature on Vector Bundles, Hodge Theory Seminar, The University of Western Ontario, Canada.

May 1, 2008, Deformation of A_∞ Algebras, Ottawa Mathematics Conference, University of Ottawa, Canada.

Apr. 22, 2008, Classical Algebraic Deformation Theory, Graduate Seminar, The University of Western Ontario, Canada.

Feb. – Mar., 2008, A mini-introduction to A_∞ algebras, I and II, Graduate Seminar, The University of Western Ontario.

SELECTED
CONFERENCES
ATTENDED

Jun. 12–17, 2011, Triangulated Categories and Applications, Banff, Alberta, Canada.

Apr. 2–3, 2011, Midwest Topology Seminar, University of Chicago, Illinois, USA.

Mar. 22–25, 2011, K-Theory of Motives, On the occasion of the 60th birthday of Andrei Suslin, University of California at Los Angeles, California, USA.

Oct. 23, 2010, Midwest Topology Seminar, Wayne State University, Michigan, USA.

Aug. 30– Sep. 3., 2010, Conference on Homotopy Theory and Derived Algebraic Geometry, Fields Institute, Toronto, Canada.

May 28–30, 2010, International Symposium on Geometry and Topology, Lehigh University, Bethlehem, Pennsylvania, USA.

May 8–10, 2009 and May 7-9, 2010, Connections in Geometry and Physics, Perimeter Institute for Theoretical Physics in Waterloo, Canada.

Oct. 16–18, 2009, Fall 2009 Midwest Topology Seminar, New Contexts in Homotopy Theory: A conference in honor of Peter May on the occasion of his 70th birthday, University of Chicago, USA.

May 1–3, 2009, Workshop on Smooth Structures in Logic, Category Theory, and Physics, University of Ottawa, Canada.

Oct. 11–12, 2008, American Mathematical Society Special Session in Algebraic Topology in Honor of Bill Singer, Wesleyan University, USA.

Aug. 5–18, 2007, Summer School on Non-commutative Algebra/Geometry, Fudan University, P.R. China.

TEACHING
EXPERIENCE

The University of Western Ontario: Sep. 2007 – Present.

Course Instructor, Methods of Finite Mathematics (Mathematics 1228A), fall 2011.

Teaching Assistant since Sep. 2007 for 17 courses altogether. My duties include: running tutorial sessions and help centers for Calculus, Linear Algebra and Finite Math (Probability), grading homework, proctoring and grading exams, replacing the instructor in class.

Zhejiang University: Sep. 2005 – Jun. 2007.

Teaching Assistant. My duties included: running tutorial sessions for Algebraic Topology and Abstract Algebra, grading homework, proctoring and grading exams.

SELECTED
SCHOLARSHIPS
AND AWARDS

Sep., 2007 – Present, Western Graduate Research Scholarship (WGRS), The University of Western Ontario.

Nov., 2011, Graduate Thesis Research Fund, The University of Western Ontario.

Apr., 2009, Santoni Graduate Scholarship, The University of Western Ontario.

Jun., 2005, Meritorious Winner of the American Mathematical Contest in Modeling.

Dec., 2004, Second Prize for Innovation Scholarship in the academic year 2003 – 2004, Zhejiang University.

Nov., 2004, Second Prize for the Mathematical Modeling Contest among all undergraduates in China.

Jun., 2004, First Prize for the 2nd Mathematical Modeling Contest for Undergraduates in Zhejiang University.

Dec., 2002 and 2003, Excellent All-round Student in the academic years 2001 – 2002 and 2002 – 2003, Zhejiang University.

Dec., 2002 and 2003, First Prize for Excellent Undergraduate Scholarship in the academic years 2001 – 2002 and 2002 – 2003, Zhejiang University.

Jun., 2003, Chern's Scholarship in the academic year 2002 – 2003, Zhejiang University.

SERVICE

Nov. 2009 – Feb. 2010, co-organizer of the Learning Seminar on Steenrod Algebra at the University of Western Ontario, Canada, together with Dan Christensen and Sam Isaacson.

Jan. – May, 2009, organizer of Stable Homotopy Seminar at the University of Western Ontario, Canada.

MEMBERSHIP

American Mathematical Society and Canadian Mathematical Society