Bryce Chriestenson

Department of Mathematics
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Positions Held

Visiting Assistant Professor: Western Oregon University,
September 2015–Present.

Postdoctoral Scholar: MAThematics Center Heidelberg (MATCH), Universität Heidelberg,
July 2013–June 2015.

Graduate Teaching Assistant: Department of Mathematics, University of Colorado,
January 2009–May 2013.

Graduate Teaching Assistant: Department of Mathematics, Portland State University,
August 2006–May 2008.

Undergraduate Teaching Assistant: Department of Mathematics, Colorado State University,
January 2005–December 2005.

Education

Ph.D. Mathematics, University of Colorado, May 2013.
Title: *The Real Homotopy Type of Singular Spaces via the Whitney-deRham Complex*
Adviser: Markus J. Pflaum

M.S. Mathematics, Portland State University, August 2008.
Title: *Crossed Modules and Homology*
Adviser: F. Rudolph Beyl

B.S. Mathematics, Colorado State University, December 2005.

Fields of Research Interest

Topology of stratified spaces, intersection (co)homology, fiber bundles, algebraic topology.

Papers/Preprints

Chriestenson, Bryce; Pflaum, Markus J. *Whitney Functions Determine the Real Homotopy Type of a Semi-Analytic Set.* Submitted. (2014): http://arxiv.org/abs/1403.1627

Banagl, Markus; Chriestenson, Bryce *Intersection Spaces, Equivariant Moore Approximations and the Signature.* In preparation. (2014)

Chriestenson, Bryce; Hunsicker, Eugenie *Cohomologys for Moduli Spaces.* Early Stages. (2015)

Teaching

Western Oregon University

Duties include: Organizing and executing every aspect of each course taught, Teaching fifteen credit hours per term. Types of courses taught:

All levels of liberal arts undergraduate mathematics courses; most of which are math education courses.

University of Colorado

Duties included: Lecturing, grading, and running recitations, Teaching three credit hours per semester for nine semesters. Types of courses taught:

Topology/Geometry preliminary examination preparation course for first year graduate students.

Lower division undergraduate mathematics courses.

Portland State University

Duties include: Organizing and executing every aspect of each course taught, Teaching three credit hours per term for seven quarters. Types of courses taught:

Lower division undergraduate mathematics courses.

Colorado State University

Duties included: Grading and running recitations, Teaching one credit hour per term for two semesters. Type of course taught:

Excursions in mathematics learning labs.

Conference and Seminar Presentations

Equivariant Moore Approximations and Fiber Bundles

32nd Annual Workshop in Geometric Topology, Texas Christian University, June 2015

Bordism Groups and Categories

PIMS West Coast Algebraic Topology Summer School, University of British Columbia, July 2014

The Real homotopy type of singular spaces via the Whitney-deRham complex

Front Range Algebraic Geometry and Number Theory (FRAGMENT), January 2013

Differential Graded Lie Algebras

Seminar of Deformation Theory, University of Colorado, Fall 2011

Crossed Modules and Homology

International Conference on Combinatorial Group Theory and Low Dimensional Topology, July 2010.

Seminar on Geometry and Topology, SUNY Albany, Fall 2009.

Professional Activities

Seminars Organized:

Seminar on Topics in Rational Homotopy Theory, Universität Heidelberg - Winter Semester 2013/2014

'Slow Pitch' Seminar, University of Colorado, Fall 2009 - Spring 2011.

Graduate Seminar on Geometry and Topology, University of Colorado, Fall 2012 - Spring 2013.

Served as graduate student representative to the mathematics department graduate committee:

University of Colorado, Fall 2010 - May 2013.

Served as graduate student mentor to first year graduate students:

University of Colorado, Fall 2010 - May 2013.