Melissa Lindsey   Indiana Wesleyan University

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Education

◇ Ph.D. in Mathematics, Purdue University   August 2011
     Thesis advisors: Giulio Caviglia
                 William Heinzer
     Thesis Title: Betti numbers, Hilbert series and the strong Lefschetz property

◇ B.S. in Mathematics, California Polytechnic State University, San Luis Obispo   June 2004

Awards, Grants and Fellowships

◇ MAA Project NExT Fellow   2013 - 2014
◇ Purdue Research Foundation Research Grant   2009-2010
◇ Graduate School Summer Research Grant, Purdue University   Summer 2008
◇ GAANN Fellowship   2004 – 2009

Teaching Experience

Indiana Wesleyan University

◇ Professor for Modern Abstract Algebra   Fall 2014
◇ Professor for Linear Algebra   Spring 2014
◇ Professor for Mathematics for Elemntary Teachers II   Spring 2014
◇ Professor for Modern Geometry   Fall 2013
◇ Professor for Calculus II   Spring 2013
◇ Professor for Mathematics for Elementary Teachers   Spring 2013, Fall 2014
◇ Professor for Contemporary Mathematics   Spring 2013, Spring 2014
◇ Professor for College Mathematics   Spring 2012
◇ Professor for Calculus I   Fall 2011, Spring 2012, Fall 2013, Fall 2014
◇ Professor for Calculus III   Fall 2011
◇ Professor for Basic Mathematics   Fall 2011

Publications

◇ A class of Hilbert series and the strong Lefschetz property, Proceedings of the AMS, **139** (2011), 79 – 92.

Other Experience

◇ Organizer for the Indiana Wesleyan University Mathematics Department Colloquium   2013 - present
◇ Co-organizer for Project NExT JMM Panel on "Assessment in a Non-Traditional Classroom"   January 2015
◇ Referee for Rose-Hulman Undergraduate Mathematics Journal   2012 - present
◇ Faculty Advisor for the Indiana Wesleyan University Mathematics Academic Consortium   2011 - present

PRESENTATIONS

- CMS Winter Meeting, Regina, SK — June 2012
- AMS Sectional Meeting, Lawrence, KS — March 2012
- Joint Mathematics Meetings, New Orleans, LO — January 2011
- AMS Sectional Meeting, Waco, TX — October 2009
- Purdue Commutative Algebra Seminar, West Lafayette, IN — October 2009
- University of Nebraska Commutative Algebra Seminar, Lincoln, NE — January 2009
- Seminar on Boij-Soderberg Conjectures, West Lafayette, IN — September 2008
- Purdue Student Commutative Algebra Seminar, West Lafayette, IN — April 2008
- Purdue Student Commutative Algebra Seminar, West Lafayette, IN — November 2006

CONFERENCES ATTENDED

- MathFest, Portland, OR — August 2014
- MAA Indiana Spring Sectional Meeting, Fort Wayne, IN — April 2014
- Joint Mathematics Meetings, Baltimore, MD — January 2014
- MathFest, Hartford, CT — August 2013
- MAA Prep IBL Workshop, San Luis Obispo, CA — June 2013
- MAA Indiana Fall Sectional Meeting, Indianapolis, IN — October 2012
- CCCU New Faculty Institute, Marion, IN — June 2012
- CMS Sectional Meeting, Regina, SK — June 2012
- Workshop on Connections between Algebra and Geometry, Regina, SK — May 2012
- AMS Sectional Meeting, Lawrence, KS — March 2012
- MAA Indiana Spring Sectional Meeting, Muncie, IN — March 2012
- MAA Indiana Fall Sectional Meeting, Indianapolis, IN — October 2011
- Faith in the Science Classroom, Marion, IN — June 2011

SERVICE ACTIVITIES

- Indiana Section NExT Vice Chair — 2014 - present
- Member Indiana Wesleyan University Academic Policies Council — 2014 - present
- Member Indiana Wesleyan University Secondary Education Committee — 2013 - present
- Member Indiana Wesleyan University Semester Length Task Force — 2013 - 2014

PROFESSIONAL AND SCHOLARLY MEMBERSHIPS

- American Mathematical Society (2005 – Present).
- Association of Christians in the Mathematical Sciences (2006 –Present).
- Mathematical Association of America (2007 – Present)
- Purdue University Women in Science Program (2004 – 2008).