

Daniel Kiteck

Department of Mathematics
4201 South Washington Street
Indiana Wesleyan University
Marion, Indiana 46953

Phone: (765) 677-1939
Fax: (765) 677-1704
daniel.kiteck@indwes.edu

Education

Ph.D. Mathematics, University of Kentucky, 2008

M.A. Mathematics, University of Kentucky, 2003

B.A. Mathematics, Asbury University, 2001

Occupation

Associate Professor of Mathematics, Indiana Wesleyan University, Fall 2014-Present

Assistant Professor of Mathematics, Indiana Wesleyan University, Fall 2008-2014

Noted classes taught: Abstract Algebra, History of Mathematics, Discrete Mathematics, Linear Algebra, Mathematical Modeling, Contemporary Mathematics, Mathematics for Elementary Teachers I & II, Sample Survey, College Algebra, Calculus I, Calculus II, Calculus III, Differential Equations

Teaching Assistant, University of Kentucky, August 2001-August 2008

Primary instructor for nine different classes; Recitation leader for three classes

Honors

Project NExT (National Chapter) Fellow, 2009 cohort

Nationally renowned mathematical professional development for new Ph.D.s

Algebra Cubed Fellow, Fall 2007, Spring 2008

NSF-funded; worked with middle school math teacher in rural Kentucky

Daniel Reedy Quality Fellowship, University of Kentucky, 2001-2003

Used to attract promising graduate students

Research Interests

Undergraduate research, mathematics education, abstract algebra

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Conference Presentations

“An Inquiry Based Learning Approach to Abstract Algebra”

25-minute talk and demonstration

17th Annual Legacy of R.L. Moore National Conference, June 2014

“Inverted Classroom in Abstract Algebra”

15-Minute Talk

Association for Christians in the Mathematical Sciences, May 2013

“Virtual Pin Board Motivating Gen Ed Group Project and Connecting Math Majors.”

MAA contributed paper session, Joint Mathematics Meeting, Jan. 2012

“Covers for Interpretations”

Poster at joint Meetings, Jan 2009

“Covers of Models”

Talk at Indiana section of MAA fall meeting, Oct. 2008

“Covers for Interpretations”

AMS contributed paper session, Joint Mathematics Meetings, Jan. 2008

“Learning and Math Graduate Students in K-12 Classrooms”

Panel member focusing on student and teacher content knowledge

AMS special session, Joint Mathematics Meetings, Jan. 2008

Numerous presentations at student seminars at the University of Kentucky and Indiana Wesleyan University

Research Student's Publication and Presentations

My undergraduate research student, Tyler Carrico, original research article

“The Probability of Randomly Generating Finite Abelian Groups”

[Involve: a Journal of Mathematics](#) 2013

My undergraduate research student, Tyler Carrico, original research poster

“The Probability of Randomly Generating Finite Abelian Groups”

Joint Mathematics Meeting, Jan. 2012

My undergraduate research student, Tyler Carrico, presenting talk

“The Probability of Randomly Generating Finite Abelian Groups”

Miami University annual mathematics conference, September 2011

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Selected Professional Conferences Attended (also active in Indiana MAA Section)

- 2014 17th Annual Legacy of R. L. Moore: National Mathematics Pedagogy Conference
- 2013 POGIL (Process Oriented Guided Inquiry Learning) regional workshop
- 2013 Association of Christians in the Mathematical Sciences: national conference
- 2012 Miami University annual conference: annual attendance since 2009
- 2012 Council for Christian Colleges and Universities national new faculty conference
- 2012 National Joint Mathematics Meeting
- 2011 National Mathfest of the Mathematical Association of America
- 2011 Science, Faith, and Pedagogy: national conference
- 2011 National Council of Teachers of Mathematics: national conference
- 2010 National Mathfest of the Mathematical Association of America
- 2010 National Joint Mathematics Meeting
- 2009 National Mathfest of the Mathematical Association of America
- 2009 Association of Christians in the Mathematical Sciences: national conference
- 2009 National Joint Mathematics Meeting

Memberships

- American Mathematical Society, Fall 2008-present
- Mathematical Association of America, Fall 2008-present
- Association of Christians in the Mathematical Sciences, Fall 2008-present

Computer Experience

- LaTeX, Matlab, Maple

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Service

Coordinator, Department of Mathematics, Fall 2010-present
Indiana Wesleyan University

Assessment Fellow, Division of Mathematics and Computer Information Sciences
Spring 2013-present
Indiana Wesleyan University

Global Studies Committee, 2012-2014
Indiana Wesleyan University

Spiritual Life Committee, 2012-2015
Indiana Wesleyan University

Active in ministry such as leading children's Sunday School and men's small group
Exit 59 Church, Gas City, Indiana 2009-present

Board member, Pregnancy Help Center of Grant County, 2011-2014

Led panel on interdisciplinary research and teaching for mathematics
Organized by Indiana section of Project NExT
Indiana section of MAA spring meeting, April 2010

Task Force member for developing School of Life Foundations, Fall 2009
Indiana Wesleyan University

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References

Dr. Melvin Royer
Chair, Division of Mathematics and Computer Information Sciences
Indiana Wesleyan University
melvin.royer@indwes.edu

Dr. Gail Greene
Professor of Mathematics
Indiana Wesleyan University (retired)
gail.greene@indwes.edu

Dr. Edgar Enochs
Ph.D. adviser
University of Kentucky
enochs@ms.uky.edu

Dr. Ken Rietz
Undergraduate adviser
Asbury University (retired)
ken.rietz@asbury.edu

Darren Campbell
Pastor
Exit 59 Church
darren@exit59church.com

Dr. Jonathan Geisler
Personal friend
Professor of Computer Engineering
Taylor University
jgeisler@cse.taylor.edu