

## Daniel Kiteck

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Department of Mathematics  
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### 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

*Noted classes taught: Senior Seminar, 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*

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

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 (adviser of three separate research projects); mathematics education (K-12, general university education, advanced university education); philosophy of mathematics, especially of Christian perspective; abstract algebra

## **Daniel Kiteck**

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### **Grant Received**

\$2,500, Academy for Inquiry-Based Learning  
Funded by the Education Advancement Foundation  
For developing and teaching a Liberal Arts College Mathematics Course  
Summer, 2015; Course taught fall 2015

### **Conference Presentations**

“Inquiry-Based Learning General Education Math Class”  
Talk at Indiana section of MAA spring meeting, March 2016

“God: One”  
15-Minute Talk  
Association for Christians in the Mathematical Sciences, May 2015

“An Inquiry Based Learning Approach to Abstract Algebra”  
25-minute talk and demonstration  
17<sup>th</sup> 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

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### **Publication**

“God: One”

Conference Proceedings of the Association of Christians in the Mathematical Sciences  
2015

### **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

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

2015 Association of Christians in the Mathematical Sciences: International conference

2015 ACMS (see above) Pre-Conference for Professional Development

2014 17<sup>th</sup> 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

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- 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
- Mathematical Association of America
- Association of Christians in the Mathematical Sciences

### **Computer Experience**

- LaTeX, Matlab, Maple

### **Service**

- Chair, Indiana Section of MAA, Fall 2016-Spring 2017
- Coordinator, Department of Mathematics, Fall 2010-Spring 2015  
Leading meetings, instructor assignments, curriculum development, etc.  
Indiana Wesleyan University
- Assessment Fellow, Division of Mathematics and Computer Information Sciences  
Overseer of assessment of division programs, such as majors in Mathematics Department  
Spring 2013-Spring 2015  
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

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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

### **References**

Dr. Melvin Royer  
Chair, Division of Mathematics and Computer Information Sciences  
Indiana Wesleyan University  
[melvin.royer@indwes.edu](mailto:melvin.royer@indwes.edu)

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

Dr. Edgar Enochs  
Ph.D. adviser  
University of Kentucky (retired)  
[enochs@ms.uky.edu](mailto:enochs@ms.uky.edu)

Dr. Ken Rietz  
Undergraduate adviser  
Asbury University (retired)  
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Darren Campbell  
Pastor  
Exit 59 Church  
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## **Daniel Kiteck**

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Dr. Jonathan Geisler  
Personal friend  
Professor of Computer Engineering  
Taylor University  
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