



Kappa Mu Epsilon National Mathematics Honor Society

KME 41st BIENNIAL NATIONAL CONVENTION
April 6 - 8, 2017

Hosted by Missouri Theta Chapter at Evangel University in Springfield, Missouri

Participating Chapters:

Alabama Theta, Jacksonville State University
Georgia Zeta, Georgia Gwinnett College
Kansas Alpha, Pittsburg State University
Kansas Beta, Emporia State University
Kansas Delta, Washburn University
Missouri Alpha, Missouri State University
Missouri Beta, University of Central Missouri
Missouri Eta, Truman State University
Missouri Theta, Evangel University
Nebraska Beta, University of Nebraska – Kearney
North Carolina Zeta, Catawba College
Oklahoma Alpha, Northeastern State University
Oklahoma Epsilon, Oklahoma Christian University
Pennsylvania Mu, Saint Francis University
Tennessee Gamma, Union University
Texas Gamma, Texas Woman's University
Virginia Alpha, Virginia State University

*Sponsored in part by:
the American Mathematical Society and
the American Statistical Association*

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NATIONAL COUNCIL

Rhonda McKee, Missouri Beta, President
Brian Hollenbeck, Kansas Beta, President-Elect
Mark Hamner, Texas Gamma, Secretary
David Dempsey, Alabama Theta, Treasurer
Pete Skoner, Pennsylvania Mu, Historian
David Gardner, Texas Gamma, Webmaster

THE PENTAGON

Doug Brown, North Carolina Zeta, Editor

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Pedro Muíño, Pennsylvania Mu, Great Lakes Region
Jamye Curry, Georgia Zeta, South Eastern Region
Katherine Kime, Nebraska Beta, North Central Region
John Diamantopoulos, Oklahoma Alpha, South Central Region

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Mackenzie Snyder, Missouri Beta

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Parker LaMascus, Oklahoma Epsilon
Daniel Miradakis, Alabama Theta
Bethany Morgan, Missouri Alpha
Samantha Orr, Missouri Theta
Georgette Searan, Kansas Alpha
Katie Jones, Kansas Delta

Thursday, April 6, 2017

7:00-9:00 p.m.

Pizza Reception and Mixer

Joust
Cantrell Student Union

Registration packets will be available.

8:00 p.m.

National Council Meeting

Joust West
Cantrell Student Union

Friday, April 7, 2017

8:00 - 9:00 a.m.

Registration/Coffee

Trask 1st floor lobby

8:30 a.m.

Awards Committee Meeting

Trask 107

9:00 a.m.

First General Session

Trask 101

Welcome and introductions

Welcome

Roll call

Filing of delegates

Old business

Introduction of new business

 New candidates for Historian and President-Elect

As arises

Rhonda McKee, President, Kappa Mu Epsilon

Dr. Michael McCorcle, Provost, Evangel University

Mark Hamner, Secretary, Kappa Mu Epsilon

Brian Hollenbeck, President-Elect, Kappa Mu Epsilon

9:30 a.m.

Student Presentations, Session #1

Trask 101

1-1 "Modeling the Wind Resource of Southwest Kansas"

Parker LaMascus, Oklahoma Epsilon

Oklahoma Christian University

1-2 "Concerning the Growth of Animal Populations in Minecraft"

Joshua Stucky, Tennessee Gamma

Union University

1-3 "Algebraic Structure of Labeled Graphs Joined by j Edges"

Shahriyar Roshan Zamir, Georgia Zeta

Georgia Gwinnett College

10:25 a.m.	Refreshment Break Trask 1 st floor lobby
10:45 a.m.	Student Presentations, Session #2
2-1 “Global Stability Analysis of Zika Virus Dynamics”	Hayley Hutson, Missouri Alpha Missouri State University
2-2 “A Curriculum Guide: Exploring Careers in STEM”	Ashley Beard, Missouri Beta University of Central Missouri
2-3 “Coloring \mathbb{R}^n ”	Zach Bowen, Landis Duff, Jacob Rowley, Kansas Alpha Pittsburg State University
2-4 “Detecting Point Radiation Sources Using Distributed Sensors”	Chelsea Mitchell, Virginia Alpha Virginia State University
12:00 noon	Group Picture Outside Amphitheater
12:15 p.m.	Lunch Cantrell Student Union Cafeteria
	Meetings of the National Committees Resolutions Committee, Cafeteria Auditing Committee, Cafeteria
1:45 p.m.	Section Meetings Student Section, Trask 101 Faculty Section, Zimmerman 103
2:30 p.m.	Workshops [Select one of the following]
“Calculus Limits via Infinitesimals (they're easier!)”	Zimmerman 207 Bryan Dawson, Tennessee Gamma Union University
“Bell-y Math: Connections between Mathematics and Change Ringing”	Zimmerman 114 Cynthia Huffman, Kansas Alpha Pittsburg State University

“Shapes and Smiles”

Zimmerman 113
John C.D. Diamantopoulos, Oklahoma Alpha
Northeastern State University

“Using R for Simulation Studies”

Zimmerman 103
Angela Crumer, Jason Shaw, Kansas Delta
Washburn University

3:30 p.m.

Refreshment Break

Zimmerman southeast 1st floor lobby

3:45 p.m.

Workshops [Select one of the following]

“Calculus Limits via Infinitesimals (they're easier!)”

Zimmerman 207
Bryan Dawson, Tennessee Gamma
Union University

“Bell-y Math: Connections between Mathematics and Change Ringing”

Zimmerman 114
Cynthia Huffman, Kansas Alpha
Pittsburg State University

“Shapes and Smiles”

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John C.D. Diamantopoulos, Oklahoma Alpha
Northeastern State University

“Using R for Simulation Studies”

Zimmerman 103
Angela Crumer, Jason Shaw, Kansas Delta
Washburn University

7:00 p.m.

Banquet

CH115AB, Crusader Hall

Welcome

Brian Hollenbeck, President-Elect

Dinner

Presentation of Mach Award

Rhonda McKee, President

Keynote Address

“A Mathematical Art Gallery Tour”

Eve Torrence, PME President

Randolph-Macon College

Ashland, Virginia

Saturday, April 8, 2017

8:00 - 8:30 a.m.

Registration/Coffee

Trask 1st floor lobby

8:30 a.m.

Student Presentations, Session #3

Trask 101

3-1 "Application of SVD: Information Retrieval and Document Ranking"

Blake Jackson, Chris Mount, Alabama Theta
Jacksonville State University

3-2 "Housing Market Time Series Analysis – Before and After Housing Bubble"

Katelynn Robinson, Kansas Delta
Washburn University

3-3 "Elliptical Illusion"

Catherine Ross, Missouri Theta
Evangel University

9:25 a.m.

Refreshment Break

Awards Committee Meeting, Trask 107
Regional meetings, TBA

10:00 a.m.

Graduate School Panel Discussion

Trask 101

Hope Moorhead, Graduate Student,
University of Missouri

Anna Tripi, Graduate Student,
Missouri State University

Dr. Leah Childers, Assistant Professor,
Pittsburg State University

10:45 a.m.

Second General Session

Rhonda McKee, President, presiding
Trask 101

Convention Evaluation Forms

Reports of national officers

Doug Brown, Editor, *THE PENTAGON*

David Gardner, Webmaster

Pete Skoner, Historian

David Dempsey, Treasurer

Mark Hamner, Secretary

Brian Hollenbeck, President-Elect

Rhonda McKee, President

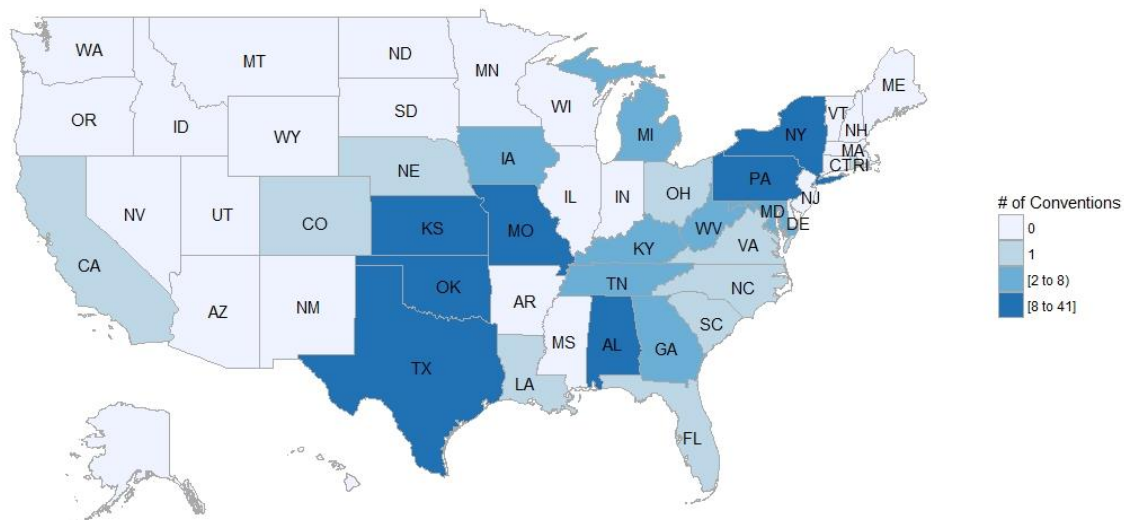
Reports of sectional meetings
 Report of Resolutions Committee
 Report of Auditing Committee
 Election of Officers
 Installation of Officers
 Report of the Awards Committee and presentation of awards
 Payment of travel vouchers

11:45 p.m.

Lunch
 Trask Hall

Did you know...

- this is the fifth time the national convention has been held in Springfield, Missouri? This is the most of any city.
- a total of 54 different chapters have attended a KME convention since 2001?
- six chapters (KS Alpha, KS Beta, KS Delta, MO Beta, MO Theta) have attended all ten conventions this century?
- six chapters (GA Zeta, MO Eta, NE Beta, NC Zeta, OK Epsilon, VA Alpha) are attending their first convention this century?
- Missouri chapters have attended the most KME Conventions of any state since 2001? Eight chapters have attended a total of 41 conventions this century.



Total number of conventions attended for all chapters (2001 to 2017)