Kappa Mu Epsilon
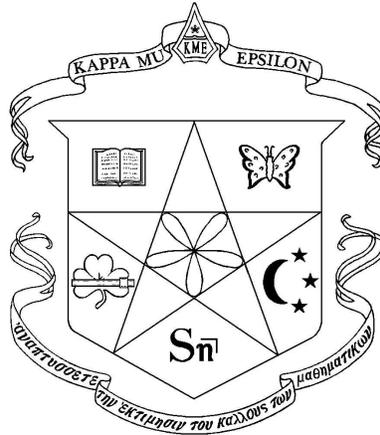**Mathematics Honor Society**
National Council 2019–21

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http://www.kappamuepsilon.org

Founded 1931
Member of the Association of College Honor Societies

November 3, 2020

Dear Corresponding Secretary:

We send you greetings and we hope that your academic year is progressing reasonably smoothly in spite of the ongoing pandemic. The purpose of this letter is three-fold. We wish to (1) solicit nominations for the George R. Mach Distinguished Service Award, (2) announce the 43rd Biennial Convention, and (3) call for papers for the convention.

THE GEORGE R. MACH DISTINGUISHED SERVICE AWARD

This award is given to individuals who have made major contributions to Kappa Mu Epsilon. If you have interest in nominating someone for this award, please forward the nomination to one of the national officers, preferably by the end of January. Please submit a couple of paragraphs explaining why the nominee should be considered for this award.

THE FORTY-THIRD BIENNIAL CONVENTION OF KAPPA MU EPSILON

The Forty-Third Biennial Convention of Kappa Mu Epsilon will be held on the campus of the University of Central Missouri in **Warrensburg, Missouri, April 15-17, 2021**. To help with the cost of attendance, each attending chapter will receive a travel expense reimbursement. Chapters may also attend the convention virtually if they are unable to physically attend. This is our first ever attempt at a hybrid convention, and we are hoping it will be successful.

CALL FOR PAPERS

It is a unique experience for undergraduate honor students to be able to attend a national convention and to have the opportunity to present papers and listen to others given by fellow students. If your chapter has not been represented at conventions or if your students have not been submitting papers, why not try both this year? The option this year of allowing virtual attendance and presentations make it possible for every chapter to be represented. We sincerely hope that every chapter will make an effort to be represented at the convention and that you, as corresponding secretary, will urge your students to submit papers and to attend the convention. Cost should not be as much of an issue this year, since virtual attendance will be less expensive.

A new feature for this convention: As well as having in person student presentations, students may make virtual presentations at the convention. This is new, and mainly due to the Covid-19 restrictions on many campuses. See below for details.

STUDENT PRESENTATION DETAILS

A significant feature of our national convention is presentations by student members of Kappa Mu Epsilon. The mathematical topic selected by each student should be of interest to the author and of such scope that it can be given adequate treatment in a timed oral presentation. Senior projects and seminar presentations have been a popular way for faculty to get students to investigate suitable topics. Student talks to be presented at the convention will be chosen prior to the convention on the basis of the abstracts submitted. At the convention, the Awards Committee will judge the selected talks on both content and presentation, and the top papers will receive an award.

Who may submit a paper? Any undergraduate or graduate student member of Kappa Mu Epsilon may submit an abstract for consideration as a talk at the national convention. Presentations may be coauthored.

Presentation topics. Presentations at the convention should discuss material understandable by undergraduates who have completed only calculus courses. Abstracts that satisfy this criterion and which can be presented with reasonable completeness within the time allotted will be preferred.

Presentations may be original research by the student(s) or exposition of interesting but not widely known results. Presenters should always cite authors if presenting exposition of known results.

Presentation time limits. Presentations at the convention should take between 15 minutes and 20 minutes.

How to submit an abstract. Students wishing to make a presentation at the national convention should:
1. Prepare an abstract of up to 500 words explaining the nature of the presentation and indicating the results.
2. Complete the abstract cover page (see below).
3. Send the abstract and cover page by email to the President-Elect, address below.
4. Have the student's project advisor send an email to the President-elect, certifying that the student is doing the work specified in the abstract and the advisor's belief that the student will have a fully prepared presentation by the time of the convention.

Please send the abstract, cover page, and advisor's note by email no later than March 5, 2021 to: Dr. Don Tosh (toshd@evangel.edu).

Selection of presentations. From the abstracts submitted by undergraduate students, approximately fifteen presentations will be invited to be judged for awards at the convention. Graduate students and undergraduate students whose papers are not selected for judging may be offered the opportunity to present their papers at the convention if time permits. The President-Elect will notify all authors of the status of their submissions by mid March.

Judging criteria. Judging criteria include
- Choice and originality of topic
- Literature sources and references
- Depth, significance, and correctness of content
- Clarity and organization of materials
- Adherence to the time constraints
- Effective use of graphs and/or visual aids
- Overall effect

Prizes. Authors of the best presentations by undergraduates, as decided by the Awards Committee, will each receive a cash prize.

Publication. A presenter who has not prepared a formal written paper by the time of the convention is encouraged to do so soon after the convention, so that the paper can be submitted for possible publication in *The Pentagon*. Unless published elsewhere, papers prepared from the prize-winning presentations will be published in *The Pentagon* after any necessary revisions have been completed. All other papers will be considered for publication. The editor of *The Pentagon* will contact each author during or soon after the convention to review his or her presentation and discuss requirements for publication.

To have a paper considered for publication in *The Pentagon*, prepare it as a Microsoft Word document or .tex file, and include it as an attachment to an e-mail to the editor, Doug Brown, at dkbrown@catawba.edu. The electronic copy of the paper will be refereed. If the referee recommends publication and space is available, the paper will be published in one of the next several issues.

I will look forward to receiving the student abstracts and to meeting you and your delegation at the convention in April.

Sincerely yours,

Don Tosh
National President-Elect
e-mail: toshd@evangel.edu

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KME 43rd Biennial Convention
Abstract Cover Sheet

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Abstracts with cover sheet must be sent to Don Tosh, national president-elect, by email (toshd@evangel.edu) by March 5, 2021.

Presenter's name:

Presenter's email address:

Title of Presentation:

Mathematical area of topic: [Choose one]   Pure   Applied   Education

Type of Research: [Choose one] Original Expository   Other
Comments:

Presenter's KME chapter:
(State, followed by Greek letter: e.g., Kansas Beta)

Presenter's college or university:

Project Advisor:

Project Advisor's email address:

__   I have asked my project advisor to send an email to Don Tosh certifying that I am doing the work specified in the abstract and the advisor's belief that I will have a fully prepared presentation by the time of the convention.

A computer, data projector and screen will be provided. If you require any other equipment, please indicate the needed equipment. We will do our best to accommodate the need, but cannot guarantee it.

Abstract: (or attach as separate sheet)