

Pi Mu Epsilon National Conference at MAA MathFest,
Madison, Wisconsin

Wednesday afternoon July 30 through Friday evening August 1, 2008

PME STUDENT SPEAKER AND DELEGATE APPLICATION FORM

Each PME student speaker must complete a copy of this form. Student Pi Mu Epsilon members who are attending this conference, but are not speakers, should complete this form using the "Type of Application: Delegate" option. Up to five speakers per Chapter may be eligible for reimbursement for at least some of their transportation expenses. One delegate from a Chapter with no speakers may be eligible for partial reimbursement of transportation expenses. Additional Pi Mu Epsilon students register as non-reimbursed delegates to the Madison conference.

A completed copy of this form should be mailed to Professor Angela Spalsbury at this address:

Professor Angela Spalsbury
Department of Mathematics and Statistics
Youngstown State University
1 University Plaza
Youngstown, OH 44555

Applications must be received by 5:00 p.m. EDT Friday, June 13, 2008.

Part 1 (To be Completed by All Students):

Type of Application (circle one): Speaker / Delegate

Are you a U.S. Citizen? Check if yes:

(Federal regulations permit us to offer NSA funding only to U.S. citizens.)

Student Name:

Email Address:

Student Permanent Address:

Street:

City:

State and Zip Code

Student Summer Address (if different than permanent address):

Street:

City:

State and Zip Code

College or University attended during 2007-2008 academic year:

Degree and major:

Intended Graduation Date (month and year):

PME Chapter:

State:

Chapter (e.g. Alpha, Beta, etc.):

Month and year of initiation into PME:

Important Note: All student speakers and delegates must be members of the chapter at their home institution, which is the one that must nominate them as a speaker or delegate. Student speakers and delegates cannot have completed more than 30 semester hours (or the equivalent) in a graduate program in mathematics (or a related field) prior to this summer's conference. Speakers and delegates requesting transportation reimbursement must have been initiated into the chapter at their home institution prior to submission of this application form.

PME Chapter Advisor Name:

PME Chapter Advisor E-mail:

PME Chapter Advisor Telephone Number:

Note: The Chapter Advisor will be contacted to verify enrollment and PME membership information.

I have read the "fine print" regarding eligibility, benefits, and responsibilities for speakers and delegates. Check if yes:

I am applying for transportation support from Pi Mu Epsilon. Check if yes:

Part 2 Speakers and delegates applying for transportation support must complete this section.

(Speakers not applying for transportation support should skip to Part 3.)

I will make every effort to obtain low-cost transportation. Check if yes:

I will register for MathFest as an "Undergrad PME Student" either through the MAA website (www.maa.org) or using printed materials from the April issue of the MAA FOCUS. Check if yes:

You are very strongly encouraged to attend the many exciting mathematical activities at MathFest that do not conflict with PME activities. You are especially encouraged to attend the MAA-sponsored undergraduate student activities, including Mathematical Jeopardy 5:30 p.m. to 6:45 p.m. Wednesday evening, the MAA Student Lecture at 1:00 p.m. on Thursday, one of the two MAA Undergraduate Student Activity Sessions at 1:00 p.m. on Friday, the MAA Ice Cream Social at 9:00 p.m. Friday, and the MAA Mathematical Contest in Modeling Winners Session at 9:00 a.m. Saturday.

To qualify for Pi Mu Epsilon transportation funding, a student speaker or delegate must attend all Pi Mu Epsilon activities at the 2008 MathFest in Madison. These consist of the following:

- The student reception 4:30 p.m. Wednesday afternoon. At this event, show receipts for airfare to the PME Treasurer Leo Schneider or verify mileage with him.
- All of the sessions of PME talks Thursday afternoon, Friday morning, and Friday afternoon. PME Participant Evaluation Forms, which will be available from the moderator at each session, should also be completed.
- The PME banquet 6:00 p.m. Friday. (Your "Undergrad PME Student" registration at MathFest includes your ticket to this banquet.)
- The J. Sutherland Frame Lecture given by Professor John Conway at 8:00 p.m. after the PME banquet Friday evening. After this event, the Participant Evaluation Form must be presented to PME Treasurer Leo Schneider, who will then distribute a travel reimbursement check from PME.

If you are unable to meet any of the preceding obligations, you must seek a prior exemption from David Sutherland, President of Pi Mu Epsilon (sutherlandd@hendrix.edu). Students who miss any of the above without an exemption jeopardize their entire PME transportation reimbursement.

Please indicate by checking this box that you have read the preceding conditions and agree to abide by them:

Part 3 Student speakers must complete the remainder of this form.

The Society for Industrial and Applied Mathematics, SIAM, offers prizes for outstanding presentations on applied mathematics. The MAA's Special Interest Group for Environmental Mathematics, SIGMAA-EM, offers prizes for outstanding presentations on environmental mathematics. The MAA's Special Interest Group on Biology,

BioSIGMAA, will also offer one prize to a PME or MAA student speaker for an outstanding presentation.

The purpose of the following questions is to cluster the talks that might be eligible for these special prizes in our program for the benefit of the SIAM, SIGMAA-EM, and BioSIGMAA judges.

I consider my talk to be in the area of Applied Mathematics. Check if yes:

I consider my talk to be in the area of Environmental Mathematics. Check if yes:

I consider my talk to address a problem at the nexus of mathematics and biology. Check if yes:

Due to the large number of students who wish to present at summer meetings and with a desire to avoid redundancy in their programs, the MAA Committee on Undergraduate Student Activity and Pi Mu Epsilon have agreed not to accept papers submitted by the same student to both paper sessions at MathFest. This applies even if the papers are different. Furthermore, in the case of joint authorship, it is not permissible for one co-author to apply to one session while another submits the same paper to the other session. Under no circumstances will a student be allowed to apply for transportation funds from both organizations. Therefore:

I agree not to apply to give a paper at the MAA Student Paper Session. Check if yes:

All of the rooms in which the presentations will be given in Madison will be furnished with a standard overhead projector and screen. Some rooms will also be provided with a projection system (to use PowerPoint, for example), but students must furnish their own computer and cables to connect to the VGA port of the projector. Since Murphy's Law applies to technology, students hoping to use the projection system should also be prepared to give their presentation using slides on the overhead projector, if necessary.

I understand the equipment policy. Check if yes:

I will bring a laptop and plan to use the computer projection system. Check if yes:

I am aware that the 15 minute time limit for presentations will be strictly enforced.

Check if yes:

Complete Title of Presentation:

Abbreviated Presentation Title (maximum of 40 characters):

Topic Category: (Check all that apply)

- History of Mathematics
- Combinatorics and Graph Theory
- Number Theory
- Linear Algebra, and Related Topics
- Probability and Statistics
- Differential Equations, Dynamical Systems, Chaos, and Fractals
- Geometry and Topology
- Real Analysis and/or Complex Variables
- Applied Mathematics, including Mathematical Biology and Environmental Mathematics
- Mathematics Education
- Other (Please describe):

Abstract (50 words or less; LaTeX code can be used)

Presentation Faculty Advisor Name*:

Presentation Faculty Advisor E-mail:

Presentation Faculty Advisor Telephone Number:

*Note: The Presentation Faculty Advisor should be the faculty member who served as your faculty advisor or instructor for the project on which your presentation is based. The Presentation Faculty Advisor will be contacted to verify suitability of the project for presentation at the Pi Mu Epsilon National Meeting.

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The FINE PRINT for Speakers and Delegates detailing reimbursement.

Presentations with multiple speakers usually do not work well in a 15-minute format and are discouraged; reimbursement for multi-speaker talks is the same as if there were just one presenter.

Pi Mu Epsilon makes transportation grants to student speakers and delegates to cover costs not covered by other sources. (No double dipping!)

One speaker per chapter receives full transportation reimbursement up to \$600. For chapters with more than one speaker, up to five speakers can receive full transportation reimbursement up to \$600 provided that the total reimbursement to the students from the chapter does not exceed \$1200.

Example 1: Chapter Alpha sends two speakers whose transportation expenses are \$650 and \$550. These speakers are reimbursed \$600 and \$550, respectively.

Example 2: Chapter Beta sends six speakers whose transportation expenses not covered by their home institution are \$150 each. Five of the six speakers are reimbursed \$150 each.

Example 3: Chapter Gamma sends three speakers whose transportation expenses are \$500 each. Each of the three is reimbursed \$400.

The National Security Agency supports this conference by giving Pi Mu Epsilon a grant to distribute funds to the student speakers to partially reimburse them for food and housing expenses. The amount each speaker receives is a function of the size of the grant and the number of speakers. In recent years the minimum has been \$125, and the maximum \$200. The exact per-speaker reimbursement amount is a function of the number of speakers and will be determined by a vote of the PME Council shortly before the conference.

A chapter with no speakers may send one delegate who receives reimbursement for half the cost of transportation up to \$300. Funds are not available for additional delegates.

Pi Mu Epsilon partially subsidizes the cost of the Pi Mu Epsilon Banquet for speakers and delegates resulting in a discounted charge for the banquet. Every Pi Mu Epsilon speaker will receive a Pi Mu Epsilon tee shirt at the conclusion of the Frame Lecture Friday evening.

In addition to the sponsored prizes for talks in specialized areas, the American Mathematical Society enables Pi Mu Epsilon to present seven \$150 cash awards to speakers on the basis of the quality of the exposition and research and the appropriateness to an undergraduate audience.