

# MAA MISSOURI SECTION NEWSLETTER

## WINTER 2008 • VOLUME 29 • NUMBER 2

### From the Chair

We look forward to having you join us at this year's meeting on Missouri State University's campus. Please visit the meeting webpage for more information.

I am pleased to inform you that Vic Gummersheimer of Southeast Missouri State University was presented a Certificate of Meritorious Service at the 2008 Joint Mathematical Meetings for his long and distinguished service at both the national and sectional levels. Several members from our section were present during the award ceremony. A citation of his achievements can be found in this newsletter.

We have a recipient for this year's Distinguished College or University Teaching of Mathematics. The announcement will be made at the banquet on April 18.

The MAA Committee is reviewing the Guidelines for Programs and Departments in Undergraduate Mathematical Sciences. An obvious need is to update references for the appendices. Please review the Guidelines, available on the MAA website at [www.maa.org/guidelines/guidelines.html](http://www.maa.org/guidelines/guidelines.html). If you have thoughts on (a) what changes should be made, (b) what should be left alone, (c) what should be added to the document, (d) what additional references should be added, and are willing to share, please send them to me by April 15, 2008 so I can forward them altogether to the Committee.

Finally, I would like to inform you that, with a heavy heart, I accepted the MAA Board of Governors' appointment to fill in Jim Bruening's remaining term as Governor of our section until June 2009. I attended the Board meeting in January and my report can be found in this newsletter. The national MAA has a certificate of recognition for Jim, and we would like to find a way to present this certificate to his family and recognize him during our meeting.

I look forward to seeing you in our April meeting.

Yungchen Cheng

## 2008 MAA Missouri Section Meeting

The MAA Missouri Section will hold its annual Spring Meeting on Friday April 18 and Saturday April 19 on the campus of Missouri State University. Information and registration forms are available at the meeting webpage [math.missouristate.edu/46835.htm](http://math.missouristate.edu/46835.htm) or at the Missouri Section web page [www.maa-mo.org](http://www.maa-mo.org). Hotel information is listed on the meeting web page and in this newsletter.

Directions to campus are available at [www.missouristate.edu/directions/](http://www.missouristate.edu/directions/). A campus map is available at [www.missouristate.edu/map/](http://www.missouristate.edu/map/). Parking map is available at [www.missouristate.edu/map/othermaps/parking.asp](http://www.missouristate.edu/map/othermaps/parking.asp).

The Missouri Collegiate Mathematics Competition will be held Thursday April 17 and Friday April 18. Information about the competition is located in this newsletter. Although there is no meeting registration fee for students, they are encouraged to submit registration forms to help in planning for the meeting. We hope many students will attend the meeting and banquet.

**Tim Ray** (Southeast Missouri State University) will conduct a workshop on Project NExT (New Experiences in Teaching) on Friday, April 18 morning. **Mary Shepherd** (Northwest Missouri State University) and **Yungchen Cheng** (Missouri State University) will present a progress report on the Missouri Department of Higher Education's Curriculum Alignment Initiative in the area of math.

**Ken Lee** (Missouri Western State University), last year's teaching award recipient, will be the speaker after the banquet on Friday evening. On Saturday, **Joe Gallian**, President of the MAA, will be the featured MAA speaker.

**If you plan to give a talk and haven't yet sent in an abstract, you should either complete it online at [math.missouristate.edu/46836.htm](http://math.missouristate.edu/46836.htm) or e-mail it to Yungchen Cheng [yungchencheng@missouristate.edu](mailto:yungchencheng@missouristate.edu). This form is *in addition* to your meeting registration form.**

**The registration fee is \$12.00 if you register by April 11, or \$15.00 if later.** Please use the online form [apps.missouristate.edu/math/MAAMeeting2008/](http://apps.missouristate.edu/math/MAAMeeting2008/) to register. There is no registration fee for students, both graduate and undergraduate.

Tickets for the April 18 banquet cost \$15.00 each. Students participating in the Collegiate Mathematics Competition may attend the banquet free of charge. Banquet reservations cannot be guaranteed if received after April 11.

If you are a department chair or MAA liaison and wish to attend the Saturday, April 19, breakfast meeting, please include an additional \$8.00.

**You may pay for registration at the meeting**, or if you wish, please print out your confirmation email and send payment with ATTN: Math Dept, MSU to: Yungchen Cheng, Department of Mathematics, Missouri State University, Springfield MO 65897. Please make all checks payable to Mathematics Department, MSU.

A parking permit for Friday will be needed (unless you are using meter parking in visitor lots). **If you would like to request one, please indicate this on the registration form and register no late than April 11 so that we can mail the permit to you in time.**

## Sketch of the Meeting's Schedule

### Thursday April 17

7:30—10:00 PM Collegiate Mathematics Competition

### Friday April 18

Registration: 10:00 AM - 5:00 PM

8:30 – 11:00 AM Collegiate Mathematics Competition

1:00 – 5:00 PM Contributed Papers

1:00 – 5:00 PM Displays, Exhibits, MAA Book Sale

6:30 – 8:30 PM Banquet; Invited Speaker: Ken Lee, MWSU

8:30 – 9:30 PM Executive Committee Meeting

### Saturday April 19

6:15 – 7:00 AM 5K Run/Walk

7:30 – 8:20 AM Breakfast meetings of Department Chairs and MAA Liaisons

8:00 – 10:00 AM Registration, Displays, Exhibits, MAA Book Sale

8:30 – 9:45 AM Contributed Papers

10:00 – 10:50 AM MAA Invited Address: Joe Gallian, MAA President

11:00—11:50 AM Business Meeting

## Lodging for the 2008 Spring Meeting of the Missouri Section of MAA

Hotel/Motel	Telephone Number	Address	Distance to Campus	Price
Baymont Inn	(417) 889-8188	3776 S. Glenstone	3 miles	79.00 (king or 2 dbl)
Clarion	(417) 883-6550	3333 S. Glenstone	2 ½ miles	64.95 (king or dbl)
Days Inn	(417) 862-0153	621 W. Sunshine	2 ½ miles	74.99 (two beds)
Days Inn	(417) 882-9484	65 & Battlefield	5+ miles	59.99 (king or 2 queen)
Hawthorn Park	(417) 799-1113	2431 N. Glenstone	3 miles	84.00 (king or dbl)
Krystal Aire Inn	(417) 869-0001	2745 N. Glenstone	3 miles	69.99 (king or dbl)
LaQuinta Inn	(417) 890-6060	2535 S. Campbell	2 ½ miles	69.99 (1 queen bed)
University Plaza	(417) 864-7333	JQHammons Pkwy	few blocks	114.00 king or dbl

More information on lodging, dining, recreation, etc may be found at [www.springfieldchamber.com/visitor\\_info/](http://www.springfieldchamber.com/visitor_info/).

## CALL FOR NOMINATIONS

### NEWSLETTER EDITOR AND WEB PAGE ADMINISTRATOR

Nominations for the positions of Newsletter Editor and Web Page Administrator are now being accepted. Each is a 3-year position. Please send nominations to the Section Chair Yungchen Cheng at [YungchenCheng@MissouriState.edu](mailto:YungchenCheng@MissouriState.edu) no later than March 31. Nominations will be forwarded to the nominating committee.

## Missouri NExT Spring Program Call for Applications

Project NExT (New Experiences in Teaching) is a national program for new or recent faculty in the mathematical sciences who are interested in improving the teaching and learning of undergraduate mathematics. Missouri NExT is a similar program designed for faculty members in the Missouri Section of the MAA. Any full-time faculty member in the Section with less than 6 years in current position is invited to apply to become a Missouri NExT Fellow. This is the first class of Missouri NExT Fellows convened. Ongoing participation of Fellows is anticipated as they desire to contribute to and continue to benefit from the program. Information about Project NExT is available at the NExT web site: [archives.math.utk.edu/projnext/](http://archives.math.utk.edu/projnext/).

The Spring 2008 Meeting for the Missouri NExT Fellows will be a Friday morning workshop on April 18, 2008 at Missouri State University, in Springfield, Missouri, just prior to the Spring Missouri Section meeting. At the workshop, the Fellows will have a chance to interact with one another while attending sessions dealing with different aspects of our profession. Highlights of the program include a presentation by the 2007 Section Teaching Award winner Ken Lee of Missouri Western State University. Details of the program may be found at [catpages.nwmissouri.edu/m/msheprd/shepherd\\_files/Program\\_08a.htm](http://catpages.nwmissouri.edu/m/msheprd/shepherd_files/Program_08a.htm). After the workshop, the Fellows will attend the regular Section meeting and participate in the opportunities and activities the meeting will provide.

It is anticipated that contact between fellows will continue through the year, both electronically and in person. Fellows will be linked in an electronic network with one another and with a number of distinguished teachers of mathematics.

Possible topics for future discussion include methods of teaching, using technology and writing in the classroom, effective assessment and evaluation practices, mathematical resources on the web, applying for grants, tenure and promotion issues, interdisciplinary programs, assessment issues, and balancing faculty members' roles as teachers and scholars and human beings with personal lives!

Expenses for the Friday morning program including breakfast and lunch, and full registration costs for the Missouri Section Spring meeting will be covered for new Fellows. The remainder of the expenses should be covered by the Fellows' home institutions. However some funds may be available for accommodation costs in cases where the Fellow's home institution is not able to cover these costs (see application form). Financial support for this program is provided by the Missouri Section of the MAA and by another grant.

### HOW TO APPLY

Application forms can be found at [catpages.nwmissouri.edu/m/msheprd/shepherd\\_files/Application\\_08a.htm](http://catpages.nwmissouri.edu/m/msheprd/shepherd_files/Application_08a.htm)

Send completed by April 5, 2008 to:

Mary Shepherd,  
Secretary/Treasurer, Missouri Section and temporary Missouri NExT Organizer  
Department of Mathematics and Statistics,  
Northwest Missouri State University, Maryville, MO 64468

or via E-mail: [msheprd@nwmissouri.edu](mailto:msheprd@nwmissouri.edu)

## CALL FOR PAPERS

You are invited to present a paper at the Spring Meeting. Papers are to be between 15 and 20 minutes in length and may be on research topics or expository in nature and may deal with any topic in mathematics or mathematics education. For example, papers may pertain to your current mathematical scholarly activity, new courses that you have developed, or successful techniques you have found useful in teaching. You may opt to design a presentation directed to the undergraduate and graduate students attending the meeting. Faculty members are urged to assist honors students in presenting papers at the meeting. MAA student memberships will be awarded as prizes for the top student papers.

The abstract form is on the last page of this newsletter. Abstracts should be submitted by mail to:

Yungchen Cheng  
 Department of Mathematics  
 Missouri State University  
 Springfield, MO 65897

Or e-mail to [YungchenCheng@MissouriState.edu](mailto:YungchenCheng@MissouriState.edu).

Please include all of the information requested on the abstract form: presenter's name, title, affiliation, contact information, title of paper, abstract, AMS subject classification, and special accommodations needed (overhead projector, computer, etc.). Also please indicate if the speaker is a student and if the paper is directed toward a student audience. **Deadline for receipt of abstracts has been extended until March 15, 2008.**

## Future Meeting Sites

The Spring Meeting is held at various locations around the state. The meeting sites for the past several years and the next five years are listed below for your convenience. If your campus would be willing to host a Spring Meeting, please contact Yungchen Cheng, Chair, or any other member of the Executive Committee.

1997	Missouri Western State College	2005	Missouri Western State College
1999	Rockhurst College	2006	University of Missouri-Columbia
1998	Southwest Missouri State University	2007	College of the Ozarks
2000	Central Missouri State University	<b>2008</b>	<b>Missouri State University</b>
2001	U. of Missouri-Rolla	2009	Truman State University
2002	Truman State University	2010	University of Central Missouri
2003	Washington University	2011	University of Missouri-St. Louis
2004	Southeast Missouri State University	2012	Northwest Missouri State University

# Missouri Collegiate Mathematics Competition

The thirteenth Missouri Collegiate Mathematics Competition will be held Thursday, April 17, 2008 and Friday, April 18, 2008 on the campus of Missouri State University in Springfield, Missouri. Any college or university in the state of Missouri can send up to two official teams of 1-3 undergraduates each to compete in the competition. Unofficial teams will be allowed, depending on the amount of available space, but will not be eligible for awards. They will also be charged the normal registration fee. A one-person team will be allowed if this person is his or her college's only representative in the competition. A completed registration form for each team must be sent one week before the competition begins. Late registration will be accepted only if there is room available. No calculators or computers or reference material can be used during the competition. The contest consists of challenging mathematical problems, comparable to but not quite as difficult as the Putnam Exam.

The first session will begin on Thursday evening at 7:30 pm and last until 10 pm and the second session will begin on Friday at 8:30 am and will end at 11 am. There are five problems in each session. Each problem will be worth 10 points and will be scored by a committee of the MAA Missouri section. Some partial credit may be earned for substantially correct work toward a solution to the problem. The team earning the highest total points is the winner. In case of a tie, the committee will vote to determine the winning team.

The registration fee is \$40 per team. A complementary continental breakfast will precede the Friday morning competition. Each team member and the faculty sponsor are invited to a Friday pizza party at 11:30 am. Each team member is also invited to be a guest at the MAA Missouri Section Banquet on Friday night. At that time, the results of the competition will be announced. A traveling trophy will be awarded to the first place team. In addition, each member of the first place team will receive a plaque. Certificates will also be given to each participant in the competition.

Any questions about the competition can be sent to

Curtis Cooper  
Department of Mathematics and Computer Science  
University of Central Missouri  
Warrensburg, MO 64093  
(660) 543-8851  
fax: (660) 543-8013  
email: cooper@ucmo.edu

P.S. The Missouri Collegiate Mathematics Competition home page can be accessed directly with the URL <http://www.math-cs.ucmo.edu/~hchen/contest/>

## FROM THE GOVERNOR

The MAA Board of Governors met January 5, 2008 in San Diego, CA. MAA President Joe Gallian presided.

One very timely event was the debut of the Math Olympiad Documentary “Hard Problems” in San Diego. For more information, visit [www.maa.org/news/121007hardproblems.html](http://www.maa.org/news/121007hardproblems.html). President Gillian also announced that he and Michael Pearson (Associate Executive Director) received an NSF grant for \$500,000 to bring students to Joint Mathematical Meetings and MathFest.

At the Board of Governors meeting, Lowell Beineke, Editor of the College Mathematics Journal, made an appeal for a brick in Jim Bruening's memory in the new Carriage House walk at MAA Headquarters in Washington (he also did that subsequently at the meeting of the CMJ Editorial Board). He recently informed us that the response was remarkable, and the amount needed for a brick (\$303) was exceeded; the additional amount (around \$200) will go as a memorial gift.

One of the key discussions during the Board meeting was on the recommendations in the report of the Strategic Planning Working Group on Governance (Cycle II). Their report focused on committees, councils, and board of governors. Those recommendations required the Board's approval were: revise committee terms to provide overlap at January Meetings, create task force to ensure that committees have approved charges displayed, each ad hoc committee and task force must have termination date, dissolve CUPM subcommittee on Services Courses and the MathFest Site Selection Committee, revise the overall the charge of a Council (including giving Councils a role in recommending actions and policy to the Board), create, rename, and realign Councils and committees within Councils, revise Council terms to provide overlap at January Meetings, and create Task Force to recommend changes to the MAA Bylaws.

Note that the topics currently under review as part of Cycle III of Strategic Planning are STEM Issues, Sections, Meetings, and Periodicals and Communications. Also, Cycle I reports are available on the web under Governance Documents. A new Working Group in Periodicals and Communications in Cycle III was approved, and it was further decided that, after all ten reports of Cycles I-III of the current Strategic Planning process have been presented to the Board, the Board will spend a year devoted entirely to examining the overall mission and version of the MAA and its relationship to the many recommendations and priorities of the individual area reports.

Financially, the MAA continues to do well. Treasurer John Kenelly noted that our Total Net Assets had continued to increase, from year 2002's \$8.3M to year 2007 Q2's 13.5M. Regarding our financial investment (close to 7M), he noted that our strong cash position and diversification had proved to be a blessing in the midst of the sub-prime mortgage problems. The Investment Committee feels that our policy is sound and our collected returns continue to be attractive.

The Budget Committee didn't see any need to change the approved 2008 budget. They do propose that the 2009 dues remain the same as the 2008 dues. They further recommend that over the next year or two serious study and consideration be given to fundamental changes in the pricing and nature of MAA memberships – including electronic-only journal subscriptions, decoupling journals and membership, all-electronic international memberships, and other mechanisms that might create an inexpensive membership priced at more than the costs of supporting that membership.

Executive Director Tina Straley reported that we have contracted B and D consultants to be our public policy representative and consultant starting in January 2008. In the first year we will continue the public policy activities that we have done in the past and initiate a planning process with the Science Policy Committee. She announced a new major initiative: the MAA has established the Halmos Endowment Fund to support mathematical programming in the Carriage House that is both national/international and local in nature. Virginia Halmos has pledged \$600,000 to be used as a match on a two-for-one basis. The MAA has two years to raise \$300,000 to earn the match.

MathFest 2007 was a huge success. There were over 1,400 participants registered and over 1,700 people attending including those attending the meetings of other societies.

Regular membership numbers were down for the second year in a row, from 6200 in year 2005, 5700 in year 2006, to 5400 in year 2007.

Updates on funded projects: MAA Distinguished Lecture Series (NSA) ([www.maa.org/dist-lecture](http://www.maa.org/dist-lecture)), MAA Regional Undergraduate Mathematics Conferences (NSF-DMS) ([www.maa.org/rumc](http://www.maa.org/rumc)), MAA SUMMA Research Experiences for Undergraduates (NSA, NSF, Moody's Foundation) ([www.maa.org/nreup](http://www.maa.org/nreup)), Algebra: Gateway to Technological Future (NSF) ([www.maa.org/algebra-report](http://www.maa.org/algebra-report)), Renewal of College Algebra (NSF) (report pending), MAA Professional Enhancement Program (PREP)(NSF) ([www.maa.org/prep](http://www.maa.org/prep)), Advancing Community College Careers: Education, Scholarship and Service (ACCCESS) (ExxonMobil) ([www.maa.org/ProjectACCCESS](http://www.maa.org/ProjectACCCESS)).

Bestsellers among the MAA books in 2007 (in order): Math through the Ages, First Step for Math Olympians, The Genius of Euler, The Early Mathematics of Leonhard Euler, Euler the Master of Us All, Geometry Revisited, Game Theory and Strategy, Math Made Visual, The Mathematics of Games and Gambling, A Radical Approach to Real Analysis.

In the Marketing and Membership Department's report, they noted that "We need to look into finding alternative ways of having a positive bottom-line impact without increasing dues, or at the very least, in conjunction with more modest due increases. Some possible alternative ways are: encouraging more online renewals and ordering, offering electronic journals, offering automatic renewals, providing an inducement to renew for multiple years, increased use of email for promotional purposes, different pricing for international memberships, consideration of variable rate increases, and cross-department promotions.

This summer's MathFest will be July 31 – August 2 in Madison, WI; dates and locations for future Joint Meetings and MathFests are

2008	Madison, WI	MathFest	July 31 – August 2
2009	Washington, DC	Joint Meetings	January 5-8
2009	Portland, OR	MathFest	August 6-8
2010	San Francisco, CA	Joint Meetings	January 6-9
2010	Pittsburgh, PA	MathFest	August 5-7
2011	New Orleans, LA	Joint Meetings	January 5-8
2012	Boston, MA	Joint Meetings	January 4-7
2013	San Diego, CA	Joint Meetings	January 9-12
2014	Baltimore, MD	Joint Meetings	January 15-18
2015	San Antonio, TX	Joint Meetings	January 10-13
2015	Washington, DC	MathFest	August 5-8



## Certificate of Meritorious Service

Congratulations to Vic Gummersheimer of Southeast Missouri State University who was presented a Certificate of Meritorious Service at the 2008 Joint Mathematical Meetings. Below are the citation and the response from Vic.

### Citation

In the fall of 1976, Dr. Victor Gummersheimer began working as a member of the faculty at Southeast Missouri State University. He quickly became involved in the MAA and was section chair in 1983, organizing the annual section meeting in 1984. This commitment involved a three-year tour as a section officer, starting as vice chair in 1982 and concluding as past chair in 1985. He served as secretary-treasurer from 1989 to 1992 and as newsletter editor from 1993 to 1999. During these next two tours of service, Gummersheimer was always known for his professionalism in performing his assigned duties. His fourth and final tour of service was as section governor from 2000 to 2003. During this time we saw the section remain strong, and he helped to involve new people in the section, both as officers and at section meetings. He has also served on section nominating committees several times and is always helping out at section meetings. When the MAA started the Departmental Liaison program, Vic volunteered to be the liaison for the Southeast, a position that he continues to hold.

During his twelve years as department chair, Vic has witnessed a large turnover of faculty, mostly due to retirements. The retirees were virtually all active in the section, but departmental involvement in the section has actually increased during his tenure as chair. He encourages involvement at all levels, as witnessed by the many section officers that have come from the Southeast and the large contingent that comes to the section meeting each year in spite of the drive, which usually exceeds five hours (in 2007, eleven of twenty-three faculty members attended, along with nine students). Vic has also encouraged faculty involvement at the national level: four faculty members are Project NExT Fellows, the late Jim Bruening was governor and coeditor of the College Mathematics Journal Problem Section, and Tim Ray is chair of the MAA Committee on Departmental Liaisons.

In light of his sustained and significant record of service in section government, involvement at the section and national level with the Liaisons program and national meetings, and his encouragement of the Southeast faculty to be involved in the MAA, Dr. Victor Gummersheimer is highly deserving of the Meritorious Service Award.

### Response from Victor Gummersheimer

I accept this Meritorious Service Award with sincere thanks to the MAA and my colleagues and friends in the Missouri Section. I have enjoyed working with these talented people who recognize the value of the MAA and are willing to work tirelessly for the benefit of the mathematical community. The contributions I have made over the years are due in part to the leadership and example of my first department chairperson, Harold Hager, who early on introduced me to the section organization, objectives, and opportunities to serve.

## FROM THE CAMPUSES

### Southwest Baptist University

The math department hosted its 9th annual math contest on January 26 and Feb. 2, 2008. Combining both dates, 643 students from about 55 schools participated.

**Dr. Kevin Hopkins** will be running his third summer of Math Contest Camp in summer 2008. Additional details are at [users.sbuniv.edu/~khopkins/2008mcc.html](http://users.sbuniv.edu/~khopkins/2008mcc.html). He is hopeful that a high school week will generate sufficient number this year, in addition to the 5th-8th grade week that has done well in 2006 (had 25 campers) and 2007 (had 31 campers).

SBU Mathematics faculty members, **Dr. Bob Glasgow**, professor of mathematics, and **Dr. Kevin Hopkins**, chair of the SBU Mathematics department, presented at the National Council of Teachers of Mathematics Regional Conference on Oct. 25-26 in Kansas City.

**Dr. Bob Glasgow**, SBU mathematics professor, recently was invited to attend "Doctoral Programs in Mathematics Education: A Decade of Progress - A National Conference" in Kansas City, Missouri. The conference was an "invitation only" conference that was funded by the National Science Foundation. Dr. Glasgow was invited to serve as the evaluator of the conference.

(Submitted by Kevin W. Hopkins)

### St. Louis Community College

Congratulations to all the students who participated in the 37<sup>th</sup> annual St. Louis Area High School Excellence in Mathematics contest on November 10 at St. Louis Community College at Forest Park. It was another exciting contest with 707 students from 38 schools. Many trophies and ribbons were awarded at the crowded ceremony in the school gymnasium. We are very grateful to St. Louis Community College at Forest Park for its generous contributions. We are also very pleased to have the \$1000 for the Carol B. and Jerome T. Loeb Scholarship.

Congratulations to **Thuy Lan Lite** from the Ladue Horton Watkins High School and **Zach Nahlik** from Edwardsville High School. Thuy won the \$1000 Loeb Scholarship in Division I, and Zach won the \$1000 Mathematics Educators of Greater St. Louis Scholarship in Division II. Both students also received *Mathematica* computer software donated by the Wolfram Company. Best wishes to them and all the seniors as they finish their final year of high school.

I would like to thank all the proctors who helped during the contest. Their assistance was critical to the success of the contest. Thanks to all math sponsors who are to be congratulated for bringing so many talented students. All of your contributions are much appreciated. I would also like to thank all of the countless people from media services, community relations and the math department here at Saint Louis Community College at Forest Park who help make this event run smoothly. Lastly, I would like to thank Don Moser who answered my countless questions and gave up two of his Saturdays to again make this contest a huge success.

(Submitted by Ev Corich)

**MISSOURI SECTION  
OF  
THE MATHEMATICAL ASSOCIATION OF AMERICA**

ABSTRACT FOR CONTRIBUTED PAPERS

Name(s) (\* means Speaker): \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_

PAPER TITLE: \_\_\_\_\_

BRIEF ABSTRACT OR DESCRIPTION OF PAPER:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

AMS SUBJECT CLASSIFICATION (see [Math. Subj. Class.](#)) \_\_\_\_\_

SPECIAL ACCOMMODATIONS NEEDED (Overhead projector, computer, etc.):

\_\_\_\_\_

Is the speaker a student? \_\_\_\_\_

Is the presentation directed toward a student audience? \_\_\_\_\_

PLEASE RETURN THIS FORM BY **MARCH 15, 2008**, TO:

Yungchen Cheng  
Department of Mathematics  
Missouri State University  
Springfield, MO 65897

Or e-mail to [YungchenCheng@MissouriState.edu](mailto:YungchenCheng@MissouriState.edu).

The **MAA Missouri Section Newsletter** is published in October, March, and May each year. Please send any news, comments, questions or corrections to me at [setourville@ccis.edu](mailto:setourville@ccis.edu).

Thanks.

Suzanne Tourville  
Newsletter Editor

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Thanks.

Suzanne Tourville  
Newsletter Editor

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Thanks.

Suzanne Tourville  
Newsletter Editor