

## Shahla Peterman

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### Education

[1980-1982]                      University of Wisconsin                      Madison, Wisconsin  
Master of Arts in Mathematics

[1976-1980]                      Iowa State University                      Ames, Iowa  
100 Quarter-hours in Engineering

[1971-1975]                      Esfahan University                      Esfahan, Iran  
Bachelor of Arts in Mathematics

### Experience

Sept. 2007–present                      University of Missouri                      Saint Louis, MO  
Teaching Professor, Department of Mathematics and Computer Science

- Taught Calculus II, College Algebra, Basic Calculus, Structure of Mathematical Systems II, continued the modifications to the redesign of college algebra and trigonometry, and managed the Mathematics Technology Learning Center (MTLC).

1993–2007                      University of Missouri                      Saint Louis, MO  
Senior Lecturer, Department of Mathematics and Computer Science

- Taught Calculus I, II and III, College Algebra, Trigonometry, Basic Calculus, Structure of Mathematical Systems I and II, and Finite Mathematics.
- Led the transformation of the College Algebra Course to computer-assisted format and guided the design of the MTLC, resulting in increases in course quality and significant increases in the passing rates on standardized final exams and in the course (2004 – present).

1982–1992                      University of Missouri                      Saint Louis, MO  
Lecturer, Department of Mathematics and Computer Science

- Taught Calculus I, II and III, College Algebra, Trigonometry, Basic Calculus, Structure of Mathematical Systems I and II, and Finite Mathematics.

1984–1985                      Epstein Hebrew Academy                      Saint Louis, MO  
Junior High School  
Teacher

- Taught Algebra, Geometry and Basic Programming.

1982–1981                      University of Wisconsin                      Madison, WI  
Graduate Teaching Assistant, Mathematics Department

- Taught Basic Calculus.

1980–1981                      Iowa State University                      Ames, IA  
Research Technician, Agricultural Engineering Department

- Evaluated and tabulated rainfall charts for computer analysis.

	<p>1979–1980                      Iowa State University                      Ames, IA Assistant Manager, Buchanan Hall, Department of Residence</p> <ul style="list-style-type: none"> <li>Assisted in managing a graduate residence facility.</li> </ul>
	<p>1974–1974                      Shah Abbas Elementary School                      Esfahan, Iran Teacher</p> <ul style="list-style-type: none"> <li>Taught third grade elementary students.</li> </ul>
	<p>1973–1973                      Zobe Ahan Company                      Esfahan, Iran Student Intern</p> <ul style="list-style-type: none"> <li>Reviewed job classification of factory workers for possible wage adjustment. Translated documents from English to Farsi.</li> </ul>
Outreach and extension	<p><b>Jefferson College</b>, taught Math 2510, Spring 2003, 2004, 2005, 2006.</p> <p><b>Brentwood High</b>, taught Math 1800, Winter 2002.</p> <p><b>Parkway Central High</b>, taught Math 1800 and Math 1900, Fall 1999 and Winter 2000.</p> <p><b>Fox High</b>, taught Math 2510, Fall 1996, Fall 1998, and Fall 2002.</p> <p><b>Jefferson College</b>, Course Coordinator for Math 2510, December 2006 – 2008. Coordinated course taught by the Jefferson College faculty.</p>
Awards/Honors	<p>National Center for Academic Transformation (NCAT) Redesign Scholars, Fall 2010.</p> <p>Chancellor's Award for Excellence, Spring 2007.</p> <p>CAS Lecturer of the Year Award, 2006.</p> <p>Induction to Golden Key International Honor Society, Fall 2002.</p> <p>Nomination for Chancellors Award for Excellence in Teaching, Spring 2000.</p> <p>CAS Lecturer of the Year Award, 1998.</p> <p>Nomination for CAS Lecturer of the Year Award, Winter 1990.</p> <p>Meritorious Service Awards Disabled Student Union, University of Missouri-St. Louis 1984, 1986, 1989, 1990, 1991, 1997, 1999, 2000, 2001, 2002, 2003, 2004 and 2006.</p>
Grants	<p><b>Innovation Grant</b> University of Missouri-St. Louis, February 2012.</p> <ul style="list-style-type: none"> <li>I submitted a written one-page proposal on how an iPad might enhance my teaching answering 3 questions 1) What value will your use of the iPad bring to your students? How will it enhance the student learning experience in your course? 2) How do you plan to use the iPad to support your teaching? What courses? 3) How would you like to use the iPad to interact with your students and colleagues? Faculty members who receive an iPad must plan to attend regular meetings of the iPad Teaching Circle. Here, they share with and learn from colleagues about innovative uses of the iPad and discuss which applications are appropriate to recommend to the UMSL community. In addition, those faculty members must present their experiences in a public forum such as next year's Focus on Teaching and Technology Conference or</li> </ul>

at an informal Faculty Colloquium offered by the Center for Teaching and Learning during the 2012-2013 academic year.

### **Curriculum Grant**

University of Missouri St. Louis College of Arts and Science Dec 2011.

- The purpose of the grant was to provide funding for faculty members to create a new course/program, or significantly to enhance an existing one. The course or the program, when put into practice, should help the university to recruit and retain students of high academic quality. The main objective of my proposal is to strengthen the prerequisite for Analytic Geometry and Calculus I and thereby improve the success rate in the three semester calculus sequence.
- (a) I will create a new 4 credit hour College Algebra for Science and Engineering course for science and engineering majors. This course will have the content and rigor needed for students entering Analytic Geometry and Calculus I. Students who earn a grade of C- or better in both the College Algebra for Science and Engineering course and Trigonometry will be allowed to enroll in Analytic Geometry and Calculus I. This course will also be taught in a manner that is similar to the way we presently teach our redesigned College Algebra, with lecture followed by hands on sessions in the MTLC. I will pilot this course during the fall semester of 2012.
- (b) I will also revamp our existing trigonometry course, Math 1035, to increase the rigor for the course. I will teach a section of the revised course during the fall semester of 2012.
- (c) I will create a review “boot camp” workshop for the students who have earned a grade below B in the College Algebra and who want to take Analytic Geometry and Calculus I. I will pilot a section of this course through Continuing Education between the summer semester and the fall semester of 2012.

### **ELearning Grant.**

University of Missouri System, May 2010 - May 2011.

- Emily Ross and I were awarded funding by the UM system to create an online College Algebra course. Initially the online section of the course will be offered to our own students, with the hope that eventually we will be able to offer it to area high school students.

### **ELIXR/Merlot Case Stories, funded by a FIPSE grant.**

University of Missouri –St. Louis, June 6, 2008 - May 1, 2009.

- The matching grant I was named ELIXR/Merlot Case Stories and was funded through a FIPSE grant. Our theme was: Reimagining Learning Spaces for Interactive Pedagogy. We were one of five institutions named in the second round of Requests for Proposals. From the RFP: “An ELIXR module I was a set of digital case stories illustrating an exemplary teaching practice in higher education, and related resources for use in faculty and professional development. The case stories were created by faculty members to share the processes and outcomes from implementing exemplary teaching practices in their own subject matter and context.” My case story was about the redesign of College Algebra and the use of our learning space, MTLC.

### **Innovation Grant for Integrating Technology in Teaching and Learning Grant.**

University of Missouri-St. Louis, December 2007.

- This project was to use the software “Camtasia Studio (napzProX for Mac) to create a number of mathematics movies to provide guided solutions to difficult problems in Math 1030 (college algebra). These examples were chosen from among a few hundred examples that have been posted, in typed form, on gateway every semester for the last four years. Using Camtasia, we converted these typed solutions to short animated math movies, which included voiced instructions explaining each step as it evolves. Camtasia allows one to use a pen to point, to underline, and to write within the movie. These math movies were put in Flash movie format ready for students to view via gateway, or to download to their personal computers or iPods. The students can use them as needed when they are doing homework, or preparing for a quiz or a test.

### Road Map to Redesign.

Academic Transformation, June 2004 – June 2006.

- The three year grant was funded by National Center for Transformation to attend a three year sequence of Road Map to Redesign Conference in Baltimore, Maryland. The three conference were
  - ✓ Workshop. **Introduction to redesigning College Algebra.**
  - ✓ Conference. **Preparing for Phase 2 of College Algebra Redesign.**
  - ✓ Conference. **Final presentation of our course redesign.**

Department  
Service

- **Member of the following committees:**
  - ✓ Alumni
  - ✓ Curriculum (Department)
  - ✓ Curriculum (College of Arts and Sciences)
  - ✓ Mathematics Education
  - ✓ Academic Computing
  - ✓ Andalaft, Spencer and Scholarship Committee
  - ✓ Lecturer Selection Committee
  - ✓ Book Selection Committee
  - ✓ Review new editions of textbooks and possible alternative textbooks for possible adoption. Textbooks reviewed have included College Algebra, Trigonometry, Pre-Calculus, Basic Calculus, Analytical Geometry and Calculus I, II and III, and Mathematics for Elementary Teachers.
- Served on the committee to **evaluate the NTT faculty**, Mathematics Department, 2008-present.
- Served on the Andalaft Scholarship Committee, 2008-present
- Served on the **Alumni, Andalaft Memorial, and Balbes Scholarship** committee, 2008-present.
- Served on the committee to **evaluate the NTT faculty**, Mathematics Department, 2008-present.
- Served on the **textbook selection committee** for Math 1100, March 2011.
- Served on the **department ad hoc committee** to review the case of two faculty members considered for the title change from "**Lecturer**" to "**Assistant Teaching Professor**" June 2009.
- Served on the **ad persona committee** for the promotion case of one NTT faculty member from "**Associate Teaching Professor**" to "**Teaching Professor**".
- Created the **Continuing Education Math Placement Exam Prep Course**, April

2009. I have coordinated the course May 2009-Present.

- Worked with Adam Jaworski editor of Bob Blitzer's College Algebra and Trigonometry book **to improve the homework component of MyMathLab** upon choosing the new edition of the book. Pearson Publishing, June 2008.
- Served on the committee to revise the **Math Placement Exam**, Mathematics Department, February 2009.
- Served on the **book selection committee** for the Math 1030/1035 Textbook, Spring 2009.
- Worked with the IT-staff of Pearson Publishing to **improve the homework component of MyMathLab** upon choosing the new edition of Bittinger Basic Calculus, May 2008.
- Served on the **committee to develop Master Syllabi, Department**, and September 2008 - October 2008.
- Worked with the **MyMathLab staff Pearson Publishing** to improve the homework upon choosing the new edition of Bittinger Basic Calculus, May 2008.
- **Course Coordinator** (Math 1030, Math 1035, Math 1100, Math 1150 and 2510, Math 1800, Math 1900, Math 2000 throughout the years).
- **Pilot Assessment and Results National Center for Transformation**, June 2006. Prepared the pilot-course completion-assessment-and-results document for College Algebra in preparation for the June meeting.
- **Redesign College Algebra**, January 2004-July 2006  
Investigated and piloted various teaching methods to improve retention. Viewed and selected software for the course. Chose the replacement Model and MyMathLab. Trained faculty who were going to teach the course after creating the course and online homework. Trained graduate and undergraduate teaching assistants to assist in the MTLC.
- **Redesign Basic Calculus**, January 2006-May 2006  
Piloted a section of this course using the supplemental model and online homework.
- **Redesign Trigonometry**, January 2005-July 2006  
Using the supplemental model and MyMathLab I created homework online. The graduate students who were teaching the course were trained.
- **Pilot Assessment and Results National Center for Transformation** June 2005  
Prepared the Pilot-Course Interim-Progress-Assessment and Results-document for College Algebra in preparation for the June meeting.
- **Revised Basic Calculus** (Math 1100) from four credit hours to three credits, 1996.  
Adjusted the syllabus such that the material needed by the departments that this course serves was still included. Chose a new textbook. Made universal homework assignment sheets from the text so that sections of the course (day and evening) taught the same material. Developed worksheets. Developed new review sheets for the exams to be used in all sections.
- **Opportunity Scholars Program Mentor June 2011-present.** The Opportunity Scholars Program provides a unique opportunity for St. Louis-area high school students to receive an all-inclusive, four-year scholarship to the

University of Missouri–St. Louis and an internship at a local corporation .

- Interviewed students to be accepted to the **Opportunity Scholars Program**, March 2012
- Participated in “**Advancing Missouri’s Competitiveness**” campaign by preparing a video segment about our Math Technology Learning Center that was shown during the March meeting of board of curators, February – March 2011.
- Served on the College of Arts and Sciences Committee for **Promotion of Non-Tenure Track** Faculty, 2011 and 2012.
- Served on the **Faculty Senate Committee for Promotion of Non-Tenure Track** Faculty, September 2009 – present.
- Chaired the **Curricular Development Grant** committee, Oct – Dec 2010.
- Coordinated the Mathematics and Computer Science component of the **INTERDISCIPLINARY 1003 University** Studies course, Fall 2010-present.
- Served on the **Freshman Experience Course** committee, May – present.
- Attended the presentation by **NetTutor on- line tutoring service** for possible campus adaption and May 2010.
- Attended the College of Arts and Sciences Spring **Commencement**, May 15, 2010.
- Served on the **Committee on Committees**, April 2010.
- Attended the “**Academic Service-Learning Event**” sponsored by the Center for Teaching and Technology. November 13, 2009.
- Served on the **ad hoc committee** for the **NTT – Teaching Award** April 27, 2009.
- Attended the presentation by **Smart Thinking on- line tutoring service** for possible campus adaption June 2009, and May 2010.
- Served on an **ad hoc committee to review** the case of one faculty member considered for the title change from “**Lecturer**” to “**Assistant Teaching Professor.**” The committee also drafted a college policy for considering and processing such changes, November 2008.
- Served on the **search committee for the new dean of the College of Arts and Sciences**, Campus, September 2008 - February 2009.
- **Member of the design team for creating the MTLC**, summer 2005. My role was to design a lab that would be appropriate for our redesigned college algebra course.
- **Co-hosted Iranian New Year's cultural experience**, International Student Organization 1987 and 1988.
- **Guest lecturer**, “Women in Comparative Cultures”, Women Studies Department University of Missouri-St. Louis, 1983 and 1985.
- **Participated in the orientation** March 1997, and March 1998, meeting prospective student and making follow-up telephone calls.

National and  
International  
Service

- **Open House**, participated in the Summer 1997.
- Participated in the **College- and Career-Readiness Standards Initiative Validity Study** conducted by **Educational Policy Improvement Center (EPIC)**, July 2010.
- Interview with Victoria Hall of Eduventures' Academic Leadership Learning Collaborative, Feb 2011.
- Schedule visits /consult with educators regarding the Math Technology Learning Center "our learning space" and course redesign.
  - ✓ Hosted a visit by Dr. Karen Wallace Professor of Chemistry at University of Western Cape, South Africa, October 2011.
  - ✓ Consulted and hosted a visit with Anne Grice and Dr. Dwayne Smith, Vice President of Academic Affairs from **Harris Stowe University**, September 2011.
  - ✓ Consulted and hosted a visit with Dr. Ian Besse, Dr. Becky Roberts, and Dr. Cynthia Pemberton, Vice Provost of Academic Affairs, from **UMKC**, May 2011.
  - ✓ Hosted a visit by Dr. Eric Mazur Professor of Physics at **Harvard University** and a national leader in undergraduate STEM pedagogy, March 2010.
  - ✓ Consulted with Dr. Ed Davenport Chair of the Department of Mathematics and Computer Science **University of Central Missouri**, January 2011.
  - ✓ Consulted with Alicia Morse, chair of the Department of Mathematics, **Anne Arundel Community College in Maryland**, August 2010.
  - ✓ Consulted and hosted Daniel Mussa from **SIU-Carbondale**, June 2010.
  - ✓ Consulted and hosted a visit with Dr. James Riel Chair, Dean of Swenson College of Science and Engineering, **University of Minnesota Duluth in Minnesota**, April 2010.
  - ✓ Consulted with Pamela Henson from **Missouri State University**, and hosted Dr. Cheng, the head of the math department, and two of their instructors, Diane Twigger and Pamela Henson from Missouri State University April 22, 2010.
  - ✓ Consulted with Dr. Carmen Latterell, **University of Minnesota Duluth**, Nov 2009- March 2010.
  - ✓ Hosted the ELIXR's Principal Investigator Tom Carey, from **California State System Office**, April 2010.
  - ✓ Consulted with and hosted Aida C Garza Director of CASA, and Rebecca R Garza faculty members, **Texas A&M International University**, April 23-24, 2009.
  - ✓ Consulted with Beth McInnis the department chair for the mathematics department, **Dunham School in Baton Rouge**, December 2009.
  - ✓ Consulted with and hosted Dr. Daba Niang Ndao, faculty member, **Saint Louis Community College at Florissant Valley**, January 2009.
  - ✓ Consulted with and hosted Dr. Maya Mitkova, **Gulf University of Science and Technology in Kuwait**, International, August – September 2008.
  - ✓ Consulted with and hosted Cindy Lehmkuhle and Claudia Neuhauser, **University of Minnesota Rochester**, August 2008.
  - ✓ Consulted with and hosted Dr. George Mehaffy, **Vice President of the American Association of State Colleges and Universities (AASCU)**, June, 2008.



- ✓ Consulted with and hosted Met with two faculty members from the Wayne State University Mathematics Department, Patty BoneSteel and Becca Morgan, **Wayne State University site visit**, August 14, 2007
- ✓ Consulted with and hosted Dr. Howard Shapiro, **Wayne State University**, April 13, 2007
- ✓ Consulted with and hosted Dr. Bernard LaBerge, Dean of, **Modern College of Business and Science in Muscat, Oman**, November 2006
- ✓ Consulted with and hosted Met with Dr. AlSharhan, Director of the e-learning center, **Gulf University in Kuwait**, August 2005

Managing  
Math Technology  
Learning Center  
(MTLC)

**Administer Math Technology Learning Center (MTLC)** Fall 2005 – present  
The responsibilities include:

- Monitor scheduling of courses in the MTLC.
- Reserve time for the faculty's use of the testing center.
- Staff and schedule the undergraduate TAs.
- Advertise, interview, and hire undergraduate teaching assistants.
- Train undergraduate teaching assistants.
- Supervise the undergraduate and the graduate teaching assistants.
- Coordinate with IC staff regarding scheduling and needs for MTLC.
- Monitor and approve biweekly timesheets of the undergraduate TAs.
- Write and revise (yearly) the **MTLC TAs Training Manual**.
- Attend meetings relating to managing MTLC TAs. These include **the Approver and Keeper Function, and Peer Academic Leaders (PALS) Workshop**, Center for Teaching and Learning.

Professional  
Activities of a  
Community  
Service

Organized the workshops for the Math and Science Network Spring Conference.  
Panelist in the Mathematics and Sciences Conference, Spring 1996 and 1997.  
Guest Speaker – KWMU, "Mathematics in the U.S. – a foreign perspective", Fall 1982.

Professional  
Activities of an  
International  
Service

Helped Dr. Maya Mitkova with course redesign etc., and consulted with on a paper, **GUST, Gulf University of Science and Technology in Kuwait**, International, August – September 2008

**Gulf University of Science and Technology in Kuwait**, Consulting visit in the area of curriculum development, February 15 – 20, 2008

Met with the chair and the faculty of the math department individually and as a group to discuss their courses and make recommendations for content adjustments where necessary.

**Gulf University of Science and Technology in Kuwait**, May 2007

Evaluated courses and made recommendations for drastic content changes.

**Gulf University of Science and Technology in Kuwait Tele-video Conference**,



sponsored by the Center for International Studies, University of Missouri – St. Louis, April 3, 2007

Presented ways to assist students having difficulty with mathematics. A summary of our progress in improving college algebra was also presented.

**Modern College of Business and Science in Muscat, Oman, November 2006**

Met with Dr. Bernard LaBerge, Dean of Business & Science to discuss the revisions made to College Algebra, Trigonometry, and Basic Calculus for future updates of their courses. Software products and the function of the MTLC in our redesigned courses were discussed.

**Gulf University in Kuwait, August 2005**

Met with Dr. AlSharhan, Director of the e-learning center, to discuss the revisions made to College Algebra, Trigonometry, and Basic Calculus for future updates of their courses. Software products and the function of the MTLC in our redesigned courses were discussed.

**Modern College of Business and Science in Muscat, Oman**

Reviewed the Basic Calculus course for the future transfer of their students to UMSL. .

Conferences/  
Presentations/  
Talks/Workshops/  
Professional  
Development

Presented “**Transforming Teaching Using Livescribe SmartPen**” during the **2010 Focus on Teaching and Technology Regional Conference UMSL**, on November 12, 2010.

Presented “**Use of Technology in a Lab Based Environment**” and **hosted** the “**Experiencing Mathematics Workshop**” by Pearson Publishing and hosted by UMSL, on October 1<sup>st</sup>, 2010

Attended “**eLearning Workshop**”; hosted by University of Missouri, Columbia June 2-3, 2010.

Attended “**Mathematics – Course Redesign to Answer Challenges in the Classroom**” workshop by McGraw Hill Publishing at the University of Memphis April 2, 2010.

Attended **Engaged Learning in an Online Environment**, sponsored by the IT Faculty Resource Center and the Center for Teaching and Technology, UMSL, Nov 13, 2009.

Attended **Hawkes Learning Systems' Software Demonstration WebEx** meeting, Nov 2, 2009.

Attended **McGraw-Hill's ALEKS workshop, “Mathematics – Course Redesign to Answer Challenges in the Classroom”**. April 2, 2010.

**Panelist, ELIXR/Merlot Case Stories, Focus on Teaching and Technology Conference**, University of Missouri St. Louis, October, 2009.

Attended **Golden Key International Undergraduate Research Symposium**, UMSL, June 2, 2009.

Attended, **Team UP Math Forum Conference**, Kansas City, MO, March 27, 2009.

**Panelist, “College Level Mathematics”, The Redesign Alliance Third Annual Conference**, Orlando Florida, March 22- March 24, 2009.

Attended “**Mathematics – “Challenges in the Classroom” workshop**, sponsored

by McGraw Hill, St. Louis University, and Washington University, Washington University, March 20-2009.

**Presented "Camtasia Software: Enhanced Learning via Math Movies," Focus on Teaching and Technology Conference 2008**, with Emily Ross, UMSL, and November 2008.

**Organized the workshop "Use of MyMathTest and Aleks for Placement Exam,"** Demonstration by Pearson Publishing and McGraw Hill Company, UMSL, May 9, 2008.

Attended the workshop **"Using SMART Symposium Technology"** UMSL, April 3, 2008.

**Panelist, Effective Teaching: Tips from 2007 Award Winners, Focus on Teaching and Technology Conference**, UMSL, Nov 2, 2007.

**Panelist, Using Peer Tutors to Support Learning: Opportunities Across the Disciplines Focus on Teaching and Technology Conference**, UMSL, Nov 2, 2007.

**MyMathTest Beta Test Program, Pearson Publishing Tele-Conference**, October 19, 2007.

- Discussed our findings in testing MyMathTest and made recommendations for improvement.

Attended **Focus on Teaching and Technology Conference**, Fall 2007, 2008, 2009.

**Professional Development Conference for Graduate Teaching and Research Assistants**, August 2005, 2006, 2007, 2008 and 2009.

- Did a workshop for the teaching assistants scheduled to teach trigonometry about the use of the software (MyMathLab/Course Compass) to do homework and also to manage the course.

**GUST (Gulf College of Science and Technology), University in Kuwait** (sponsored by the Center for International Studies University of Missouri – St. Louis), via Tele-video, April 3, 2007

- Presented ways to assist students having difficulty with mathematics. A summary of our progress in improving college algebra was also presented.

**MyMathLab Development Summit**, (Sponsored by Pearson Publishing), Boston, Massachusetts, January 18-20, 2007.

- Reviewed new features of MyMathLab. Discussed successes and failures using technology to teach mathematics with faculty from across the country.

**Focus on Teaching and Technology Conference**, UMSL, November 2-3, 2006.

- Presented a summary of ways technology improved our college algebra.

**Math Zone Virtual Focus Group**, McGraw Hill Publishing, October 19, 2006.

- Panel discussion on improvements to Math Zone.

**Graduate Teaching Assistant Workshop**, Center for Teaching and Learning, UMSL, August 2004, 2005 and 2006.

- Trained our graduate students on current software being used in departmental courses (MyMathLab and iLrn).

**The Roadmap to Redesign (R2R) Workshop III**. Final Progress Reports, Maryland,

June 22-23, 2006.

- Presented our final model and results of its implementation.

**Missouri Mathematical Association of Two Year Colleges, 2006**

Momatyc/Kamatyc Spring Conference, March 31 - April 1, 2006.

- Presented a summary of our progress in improving college algebra using new teaching method and technology. Presentation included demonstration of MyMathLab.

**Junior Science, Engineering and Humanities Symposium (JSEHS), March 2006.**

- Presented the participants in the 3 sessions our new revised college algebra and the use of Math Technology Learning Center.

**Redesigned College Algebra using MyMathLab, Maryland, March 2006**

- Presented the faculty from several schools in Missouri and Illinois with our redevelopment and progress in teaching college algebra.

**The Roadmap to Redesign (R2R) Workshop II. Interim Progress Reports, Maryland, June 16, 2005**

- Presented a brief summary of our choice of model and how it was implemented. Our presentation was supplemental model, the software we used (iLrn), and its results. We then talked about plans for the future. We went over our replacement model, MTLC, and the software we planned to use, MyMathLab.

**Presented "Replacement Model For Teaching College Algebra Using MyMathLab"**

- Presentation to inform faculty and the University informed about our progress and plans before the full scale implementation of the replacement model UMSL, March 2005.

**Brooks/Cole Teaching Solutions Regional Workshop Series March 4-5, 2005 in Las Vegas, Nevada.**

- Attended workshops to learn about upgrades being made to iLrn and supplemental materials available for Brooks/Cole textbooks.

**LEAD (Learning Enhancement Across Disciplines) Program at UMR, April 14, 2005**

- A group of us from UMSL spent the day learning about the UMR-Lead program. We visited the Physics Learning Center, and then met with other faculty who use the Learning Center to learn about their program.

**Presented "Supplementary Model For Teaching College Algebra Using iLrn"**

- A presentation to inform faculty and the University informed about our progress and plans for college algebra. February 2005.

Attended Meeting of **the four campuses of the University of Missouri** November 4, 2004, Columbia, MO.

Attended **National Symposium on College Algebra** (Sponsored by McGraw-Hill Higher Education) January 29 - February 1, 2004, Huntington Beach, CA.

Attended the **Roadmap to Redesign Workshop** June 2, 2004, Baltimore, Maryland.

Hosted **Internet-Assisted Classroom Math Symposium**, Sponsored by Addison Wesley, October 9, 2004.

Attended meeting with the faculty at the **University of Alabama**, December 7, 2004.

Organized **workshops for the following publishers to demo their software**, academic year 2003-2004

- HM Math Space, Houghton Mifflin Company
- Math Zone, McGraw-Hill Higher Education
- iLrn, Brooks/Cole
- MyMathLab, Addison Wesley

Attended the **Calculus Reform Workshop**, Summer 1993.

Attended **Calculus and Technology** meeting, May 1994 and May 1996.

## Publications

**Addressing the Crisis in College Mathematics: Designing Courses for Student Success**, with Teresa Thiel and Monica Brown, 2008 issue of **Change magazine**.

**Developed and published Maple computer lab manual for Basic Calculus**. (McGraw Hill 1995, 1997 and 1999).

## Interviews

Published interview in **Eduventures' Academic Leadership Learning Collaborative**, March 2011.

Published interview in the **blogs by the Missouri Commissioner of Higher Education** August 2009.

Published article Spring 2009, **Change Magazine**.

Published interview in Winter 2007 of **Lumina Foundation Focus Magazine**.

Published interview in May 2006 (Volume 7, Issue 9) of **Deans & Provosts**.

Published in the Spring 2006 of **UM - St. Louis Magazine**.

Published article in the **Alumni Newsletter** May 2004 and 2006.

## Consulting

Blitzer College Algebra and Trigonometry 4/e **Pearson Publishing**, August 2011.

Goshaw/ Concepts of Calculus 1/e **Pearson Publishing**, January 2011.

Bittinger/Calculus and its application, 10/e, **Pearson Publishing**, March 2010.

Bittinger/Calculus and its application draft of 10/e, **Pearson Publishing**, March 2009.

Tan/Applied Calculus, A Brief Approach, 8th Edition Chapters 6, 7, 8. June 2009.

Bittinger/Calculus and its application 9/e, **Pearson Publishing**, May 2008.

Coburn/College Algebra and Trigonometry, McGraw-Hill Higher Education, February 2009.

Berresford/Rockett Applied Calculus 4/e, Houghton Mifflin Company, June 2007.

Bittinger/Calculus and its application 8/e, **Pearson Publishing**, May 2007.

MyMathTest Beta Test Program, **Pearson Publishing**, October 2007.

Himonas/Applied Calculus, **John Wiley and Sons, Inc.**, February 2005.

Sullivan/ Algebra & Trigonometry, 2005.

Laurence Hoffmann, Gerald Bradley, and Ken Rosen, authors of Applied Calculus for the Business, Economics, Social and Life Sciences, Expanded 8/e, December 2004.

Mike Ziegler and Karl Byleen in revising Calculus for Business, Economics, Life Science, and Social Sciences, by Barnett, Ziegler, and Byleen. I have been teaching from this book for most of the last 21 years that I have been teaching at UMSL and was happy to have a chance to have some input in their new edition, Fall 2003.

Prentice Hall on a calculus manuscript-in-progress by Lynn Garner for future publication by reviewing the rough manuscript, Fall 2003.

John Wiley & Sons regarding Calculus by Anton, by evaluating the Quick Check Exercises in the book, which is a new feature, Fall 2003.

McGraw-Hill Higher Education Group in reviewing the first four chapter of their text titled, Business Calculus by Hoffman & Bradley, Fall 2002.

College of Business Science in Oman in reviewing Reviewed the Basic Calculus course, Summer 1998.

Simon& Schuster Higher Education Group in reviewing their text titled, Applied Calculus by Barnett and Ziegler, Spring 1997.

Simon& Schuster Higher Education Group in reviewing their text titled, Mathematical Structures, Spring 1993.

John Wiley& Sons, Inc Higher Education Group in reviewing their text titled, Applied Calculus, Summer 1993.