

Jacqueline M. Dewar, Ph.D.
Professor of Mathematics
Loyola Marymount University
Los Angeles, CA 90045

EDUCATION

University of Southern California, 1973 Ph.D. in Mathematics
Saint Louis University, 1968 B.S. in Mathematics, Summa cum
Laude

EMPLOYMENT

Loyola Marymount University
Professor of Mathematics, 1985-Present
Associate Professor of Mathematics, 1980-1985
Assistant Professor of Mathematics, 1973-1980

ADMINISTRATIVE EXPERIENCE

Loyola Marymount University
Director, Center for Teaching Excellence, 2006-present
Chairperson, Department of Mathematics, 1983-1986, 2005-2006
Director, Master of Arts in Teaching Mathematics Program, 1997-2005
Campus Coordinator, Los Angeles Collaborative for Teacher Excellence, an
NSF Collaborative for Excellence in Teacher Preparation Program,
1995-2001
Coordinator, Single Subject Matter Program in Mathematics, 1994-present
Director, Graduate Mathematics Program, 1979-1981

PROFESSIONAL EXPERIENCE

Advisory Board Member
High School Mathematics from an Advanced Standpoint Project, funded by the
Stuart Foundation, 1999-2002
Member, LMU Math, Science and Engineering Consulting Team
Universidad Rafael Landivar, Guatemala City, Guatemala (August 1997)
Outside Evaluator
University of Redlands, Mathematics Department (1996)
CSU Dominguez Hills, Mathematics Department (1989)
Math Science Interchange (Nonprofit founded to encourage girls in math and
science)
Founding Member, 1978
Member, Board of Directors, 1983-2003

HONORS AND AWARDS

Deborah and Franklin Tepper Haimo Award for Distinguished College or University
Teaching of Mathematics, Mathematical Association of America, 2006
President's Fritz B. Burns Distinguished Teaching Award, Loyola Marymount University,
2005
Carnegie Scholar, Carnegie Academy for the Scholarship of Teaching and Learning,
2003-4

Faculty Recipient, Loyola Marymount University Women's Herstory Award, 2002
Phi Beta Kappa, Saint Louis University, 1968
Pi Mu Epsilon, Saint Louis University, 1967
Alpha Sigma Nu, (formerly Gamma Pi Epsilon for women), 1967

PROFESSIONAL MEMBERSHIPS

Association for Women in Mathematics, National Education Committee Member
California Mathematics Council
Los Angeles County Teachers of Mathematics Association
Mathematical Association of America
National Council of Teachers of Mathematics

SELECTED PUBLICATIONS

"What you really ought to know about collaboration on a SoTL project," co-authored with C. Bennett, *National Teaching and Learning Forum*, December, 2004.

"A Future Teachers Conference - A Vehicle to Retain, Inform, and Inspire New and Prospective Teachers," co-authored with J. Kasabian and L. Fathe, *Journal of Mathematics and Science: Collaborative Explorations* 5(1), Spring 2002.

Future Teachers Conference: A Planning Handbook, co-authored with J. Kasabian, published by the Los Angeles Collaborative for Teacher Excellence, an NSF-funded CETP, 2000.

Meet the Teachers Roundtable – Connecting Future Teachers With Role Model Teachers: A Planning Handbook, co-authored with J. Kasabian, published by the Los Angeles Collaborative for Teacher Excellence, an NSF-funded CETP, 2000.

"Addressing Gender Equity for Preservice Elementary Teachers," *Undergraduate Mathematics Education Trends*, 6(3), July 1994.

"Using the Computer Language LOGO to Provide College Students With a Mathematical Experience," *Collegiate Microcomputer*, IX(1) 59-61, February 1991.

"Recruitment and Retention of Students in Undergraduate Mathematics," co-authored with Pat Kenschaft, Miriam Cooney, Vivian Kraines, Brenda Latka, and Barbara LiSanti, *The College Mathematics Journal*, 21(4) 294-301, September 1990.

SELECTED SCHOLARLY PRESENTATIONS

"Learning Quantitative Skills Through Local Civic Problems," co-presented with T. Zachariah and S. Larson, Lilly West Conference on College and University Teaching – West, Pomona, CA, March 18, 2006.

"Incorporating Civic Engagement in Quantitative Literacy Courses: A Preliminary Report" co-presented with T. Zachariah and S. Larson, Joint Mathematics Meetings, San Antonio, TX, January 14, 2006.

“Investigations with Shared Data,” co-presented with C. Bennett and J. Sandefur, Second Annual Conference of the International Society for the Scholarship of Teaching and Learning, Vancouver Canada, October 16, 2005.

“Assessing Disciplinary Understanding,” co-presented with C. Bennett, Second Annual Conference of the International Society for the Scholarship of Teaching and Learning, Vancouver Canada, October 14, 2005.

“Problem Solving, Deep Understanding and Building an Inclusive Community,” co-presented with C. Bennett, 9-12 Research Insights Session, National Council of Teachers of Mathematics 2005 Annual Meeting, April 9, 2005

“A Tool for Describing Students’ Journey to Proficiency in Proof,” co-presented with C. Bennett, Research on the Teaching and Learning of Undergraduate Mathematics Session, Joint Mathematics Meetings, Atlanta, GA, January 8, 2005.

“Rich Representations of Student Learning,” co-presented with C. Bennett at the Inaugural Conference of the International Society for the Scholarship of Teaching and Learning, University of Indiana, Bloomington, October 23, 2004.

“SoTL Collaboration: A Case Study,” co-presented with C. Bennett at the Inaugural Conference of the International Society for the Scholarship of Teaching and Learning, University of Indiana, Bloomington, October 23, 2004.

“Turning Teaching Problems into Research Problems: An Example - Students’ Understanding of Proof,” 75-minute session, SENCER Summer Institute, Santa Clara University, August 9, 2004.

“Carnegie Scholars’ Work in Progress: Lessons Learned,” co-presented with K. McKinney and P. Donahue, Fifth Colloquium on the Scholarship of Teaching and Learning, Carnegie Foundation, San Diego, CA, March 2004

“Developing Skills, Confidence and Community in Freshman Mathematics Majors,” co-presented with C. Bennett, National Joint Mathematics Meetings, Phoenix, AZ, January 8, 2004.

“A Curriculum Development Odyssey,” co-presented with L. Kjeseth, M. Greenhalgh, and J. Kasabian at the Lilly West Conference on College and University Teaching, Lake Arrowhead, CA, March 2001.

“Meet the Teachers Roundtable: Exemplary Teachers, Exemplary Lessons,” co-presented with J. Kasabian, F. Manion and S. Tummers, Lilly West Conference on College and University Teaching, Lake Arrowhead, CA, March 2001.

“Cooperative Learning + Alternative Assessment: Adding Up to Make a Difference”, co-presented with L. Fathe, L. Kjeseth, M. Greenhalgh, and J. Kasabian, Lilly West Conference on College and University Teaching, Lake Arrowhead, CA, March 2000.

INVITED ADDRESSES

"Mathematics is ----: A SoTL Investigation," Invited Address for the Deborah and Franklin Tepper Haimo Award for Distinguished College or University Teaching of Mathematics, Joint Mathematics Meetings, San Antonio, TX, January 14, 2006.

"Mathematics is ----," Invited Address for the President's Fritz B. Burns Distinguished Teaching Award, Loyola Marymount University, Los Angeles, CA, November 14, 2005.

"The Trouble With 5 Examples," Invited Address for Teaching Award, Southern California-Nevada Section, Mathematical Association of America Meeting, Camarillo, CA, October 8, 2005.

CONFERENCES, WORKSHOPS, EVENTS ORGANIZED OR FACILITATED

"A Beginner's Guide to the Scholarship of Teaching and Learning," a two-day Minicourse co-organized with C. Bennett for the Joint Mathematics Meetings, San Antonio, TX, January 13/15, 2006.

"Listening to Student Voices?" Panel Organizer and Moderator, Sixth Colloquium on the Scholarship of Teaching and Learning, Carnegie Foundation, Atlanta, GA, March 2005.

Women History Month Career Panels, Loyola Marymount University, Organizer
"Changing Information Technology: A Path to Corporate Transformation,"
March 2004.

"Women in Technology: Pioneering the Future," March 2003.

"Women in Technology Hidden Jobs and Opportunities," March 2002.

Annual Expanding Your Horizons in Math, Science and Engineering, Career Day for Girls in grades 6-10, Conference Planning Committee Member or Chair for 25 years, Loyola Marymount University, Los Angeles, CA, 1978-2003.

Annual Meet the Teachers Roundtable - Connecting Future K-12 Teachers with Role Model Teachers for Science and Mathematics, Organizer, Loyola Marymount University, Los Angeles, CA, 1996-2002.

"Student Centered Learning: A View from the Trenches." Moderator, Panel discussion, LMU Chapter, California Women in Higher Education, October 1997.

"Student Voices, What Are They Telling Us?" Co-organizer and co-facilitator with J. Kasabian, Panel discussion, NSF-CETP national conference. California State University Dominguez Hills, Carson, CA. June 1997.

RECENT GRANT WORK

2004 SENCER grant from the Association of American Colleges and Universities (AAC&U) to support an interdisciplinary faculty team to develop a math core course based on modeling environmental problems in Los Angeles. SENCER stands for Science Education for New Civic Engagements and Responsibilities

which is AAC&U's NSF-funded initiative to improve science education by teaching math and science through real world problems.

1995-2001 LACTE grant, LMU Campus Coordinator (and collaborator on the grant proposal) for the Los Angeles Collaborative for Teacher Excellence, a 6-year, \$5,500,000 NSF-funded initiative with the goal of improving K-12 teacher preparation programs in science and mathematics at ten Los Angeles area colleges and universities. The website <http://www.lacteonline.org> that I co-developed with J. Kasabian and L. Kjeseth stands as the final dissemination piece for all aspects of this project.