

News & Updates: Fall 2005

Awards and Honors

Catherine Bell, Religious Studies, will be awarded the Diekmann Award by the North America Academy of Liturgy. This award is named in honor of the esteemed liturgical scholar, Benedictine Father Godfrey Diekmann of Saint John's Abbey in Collegeville Minnesota. The Academy's website notes that "this award is intended to be given occasionally to persons who have made a contribution to the liturgical life of the world."

Steve Chiappari, Applied Mathematics, was appointed editor of the annual newsletter for the Northern California, Nevada, and Hawaii section of the Mathematical Association of America. The association is the largest professional society in the mathematical sciences that is dedicated to teaching, service, and research accessible at the undergraduate level.

Ruth Davis, Computer Engineering, was named as the Robert W. Peters Professor, in recognition of her professionalism and dedication to engineering education and scholarship, and to her commitment to minorities and women in engineering.

Dennis Gordon, Political Science, received the Lifetime Achievement Award at the annual Institute for the International Education of Students (IES) Conference on Oct. 7. The award was presented in Chicago.

Gerald McKeivitt, S.J., History Department, has been invited to Fordham University to occupy the Loyola Chair during the 2005-06 academic year.

Catherine Montfort, Modern Languages and Literatures, has been appointed to the Advisory Board of the journal *Pacific Coast Philology*. Catherine is also the new Editor of *Women in French Studies*.

Terry Shoup, Dean of Education, Counseling Psychology, and Pastoral Ministries, has been named President Nominee of ASME, the professional society of mechanical engineers with 120,000 members worldwide. Terry will be the 125th President of ASME in July 2006 to June 2007. Additionally, at the most recent Computers and Information in Engineering Conference of the ASME, the Division announced the most influential papers between 1980 & 2000. One of Terry's papers, from 1988 was listed as one of the most influential.

Dragoslav Siljak, Electrical Engineering, was the subject of a significant retrospective essay titled; "An Overview of the Collected Works of Dragoslav Siljak" featured in *Dynamics of Continuous, Discrete, and Impulsive Systems Series*.

Susan Leigh Star, Center for Science, Technology, and Society, has been named President of the Society for the Social Study of Science.

Sunwolf, Communication, received a national award from the National Communication Association. Her article, "Being left out: Rejecting outsiders and communicating group

boundaries in childhood and adolescent peer groups,” which appeared in the *Journal of Applied Communication Research*, was recognized as an Outstanding Scholarly Article in the Applied Communication Division.

Cary Yang, Electrical Engineering, received the Institute of Electrical and Electronics Engineers (IEEE) Educational Activities Board Meritorious Achievement Award 2005 in Continuing Education for his "extensive and innovative contributions to the continuing education of working professionals in the field of micro/nanoelectronics."

Grants

Ruth Cook, Education, was awarded a \$791,207 grant to train students in SCU's Education Department to work with autistic children.

Ruth Davis, Computer Engineering, Timothy Healy, Electrical Engineering, Mark Aschheim, Civil Engineering, and Drazen Fabris, Mechanical Engineering, received a grant of \$98,531 from the National Science Foundation (NSF) for the project, “CLEER: Community Learning Enabling Engineering Reform .”

Silvia Figueira and JoAnne Holliday, Computer Engineering, helped inspire a gift of \$1 million to the Engineering School for undergraduate research. This gift enables the school to institute its undergraduate research program in perpetuity to benefit more students and faculty.

Michael Kevane, Economics, was a co-recipient, along with Dr. Mariane Ferme and Dr. Martha Saavedra, both of UC Berkeley, of a Department of Education Title VI grant of \$439,000 for creating a portal website resource for educators and researchers entitled "Understanding Sudan."

Christopher Kitts, Mechanical Engineering, has received continuation subcontract funding from the San Jose State University Foundation (NASA-Ames award) that provides an additional \$64,597 to support "Space-Based Testing Environments." The award, with this amendment, totals \$221,880.

Christopher Kitts, Mechanical Engineering, and his Robotics Lab received a \$110,000 research and development grant from the ONYX Nanosatellite Program to develop a small 30 kg satellite prototype to demonstrate advanced technologies relating to autonomous control. In addition, Kitts also received a \$70,000 research and development grant to continue the development of the Mantaris underwater robot. This work will allow SCU students to commission Mantaris for operations to a depth of 500 feet and will be one of the most powerful shallow water robots on the West Coast.

Kristin Kusanovich, Theater and Dance, was one of five bay area artists awarded a FIRST 5 Arts grant to develop and conduct an intensive dance residency in a lower income East San Jose school. Arts Council Silicon Valley with FIRST 5 Arts Grants Program launched a major new initiative this year to support arts education for kids during the first five years of their lives.

Edwin Maurer, Civil Engineering, was awarded a contract for \$12,658 by the California Institute for Energy and Environment to perform research on the projections of climate change on California and the impact of these changes on water resources.

Margaret R. McLean, Markkula Center for Applied Ethics, received a \$250,000 grant from the Honzel Family Foundation for work in healthcare ethics and public policy. It will fund 2 projects--one on medical decision making for publicly conserved persons and the second on human genetics.

Kris Mitchener, Economics Department, has received an award from the National Science Foundation that provides \$92,264 to support "Sovereign Debt Default, Empire, and Trade during the Gold Standard."

Amy Moore, Biology, has received year two funding from the National Institutes of Health that will provide \$56,616 to support "Effect of Chronic Neuroinflammation on Mouse Cognition." This is the second and final year of the award. The total amount awarded by NIH for this project is \$109,703.

Thomas Schwarz, Computer Engineering, received a Microsoft Research Grant of \$10,000.

Shauna Shapiro, Assistant Professor in Counseling Psychology, received a Contemplative Practice Fellowship of \$10,000 from the American Council of Learned Societies for a project on "The Development of an Academic Course on the Use of Meditation in Psychotherapy, Focusing on Theory, Research, and Practice." ACLS Contemplative Practice Fellowships support individual or collaborative research leading to the development of courses and teaching materials that integrate awareness of contemplative practice into courses.

William Stover, Political Science, received a grant from the Musser Foundation for travel in the Middle East to establish an online network of universities seeking conflict resolution learning opportunities for their students.

Betty Young, Physics, has received a new award from the National Science Foundation that provides \$40,000 to support "Detector Optimization for the Super CDMS Experiment." This is year one funding of an anticipated two-year award.

Publications

Mark Ardema, Mechanical Engineering, published two textbooks recently, *Newton-Euler Dynamics*, Springer, 2005 and *Analytical Dynamics*, Kluwer/Plenum, 2005.

Robert Brancatelli, Religious Studies, "Annotated Bibliography on Popular Piety and the Liturgy," in *Directory on Popular Piety and the Liturgy: Principles and Guidelines: A Commentary*, ed. Peter Phan (Liturgical Press, 2005).

David Caldwell, Management, has two articles in *Fundamentals in Organization Behavior*. This four-volume set contains “the most influential and field-defining articles in organizational behavior that provide the foundation stones for a true understanding of the development of organizational behavior.”

Marilyn Edelstein, English, "Multiculturalisms Past, Present, and Future," in *College English* (Vol. 68, No.1), pp. 14-41, 2005.

Pedro Hernandez-Ramos, Education, published "If Not Here, Where? Understanding Teachers' Use of Technology in Silicon Valley Schools," *Journal of Research on Technology in Education*, 2005.

Francisco Jimenez's, book *Breaking Through* was recently translated into Japanese by Komine Shoten Ltd, Tokyo, 2005. Professor Jimenez is in the Modern Languages and Literature.

Dale Larson, Counseling Psychology, “Becky’s Legacy: More lessons”. *Death Studies*, 29, 745-757, 2005.

David Gray, Religious Studies, “Eating the Heart of the Brahmin: Representations of Alterity and the Formation of Identity in Tantric Buddhist Discourse,” *History of Religions*, 2005.

Christopher Kitts, Mechanical Engineering, and Neil Quinn, Computer Engineering, published a journal article discussing SCU's robotics education program, “An Interdisciplinary Field Robotics Program for Undergraduate Computer Engineering Education,” *Association of Computing Machinery (ACM) Journal of Educational Resources in Computing*, (2005).

Barbara Molony, History, published *Civilization, Past and Present*, 11th edition, co-authored with P. Brummett, R. Edgar, N. Hackett, and G. Jewsbury (New York: Longman, 2006). She was also the co-editor of “Gendering Modern Japanese History,” *Harvard University Asia Center*, 2005.

Catherine Montfort, French, published: “Alexandrine Claude Guérin de Tencin (1682-1749).” *The French Enlightenment*. Ed. Samia Spencer. Bruccoli Clark Layman Publishers, Summer 2005; and “Self-Portraits, Portraits of Self: Adélaïde Labille-Guiard and Elisabeth Vigée Lebrun, Women Artists of the Eighteenth Century,” *Pacific Coast Philology*, vol. 40 (2005).

Tim Myers, English, published a children's book *Good Babies: A Tale of Trolls, a Witch, and a Switch*, 2005. The book earned a strong review from "Kirkus Reviews."

John Noll, Computer Engineering, “Multi-modal Modeling, Analysis, and Validation of Open Source Software Development Processes.” The paper won the award for Best Paper of the Conference, in First International Conference on Open Source Systems.

Ana Maria Pineda, Religious Studies, "Shrines and Pilgrimages," in *Directory on Popular Piety and the Liturgy: Principles and Guidelines: A Commentary*, ed. Peter Phan (Liturgical Press, 2005).

Chad Raphael, Communications, published, *Investigated Reporting: Muckrakers, Regulators, and the Struggle Over Television Documentary* (University of Illinois Press), 2005.

Tom Savage, Education, *Teaching Today: An Introduction to Education* (Armstrong, D.G.; Henson, T.K.; and Savage, T.V. (2005). Columbus, OH: Prentice Hall. It will be translated into Chinese and distributed in the People's Republic of China.

Shauna Shapiro, Counseling Psychology, published "Mindfulness-Based Stress Reduction and Health Care Professionals" in *International Journal of Stress Management* 2005. Shauna also published "The Effects of Mindfulness-based Stress Reduction on Nurse Stress and Burnout, Part II" in *Holistic Nursing Practice*. 19(1)26-35, 2005.

William Stover, Political Science, published, "Teaching and Learning Empathy: An Interactive, Online Diplomatic Simulation of Middle East Conflict," in the *Journal of Political Science Education*, Volume 1 (2005), pp. 1-14.

Sunwolf, Communication, published "Adolescent rules for social exclusion: When is it fair to exclude someone else?" in *Journal of Moral Education*, 34(3), 343-362 (2005).

Fred Tollini, S.J., Theater and Dance, published *The Shakespeare Productions of Max Reinhardt* (Edwin Mellen Press, 2004).

Nancy Unger, History, Environmental Studies, and Women's & Gender studies, published an article, "The Two Worlds of Belle La Follette," *The Wisconsin Magazine of History* (Winter 1999-2000) has been anthologized in Genevieve McBride, ed., *Women's Wisconsin: From Native Matriarchies to the New Millennium* (Wisconsin Historical Society), 2005.

Presentations

Rich Barber, Physics, presented an invited talk at The Physics of Ultra Thin Films Near the Metal Insulator Transition II Workshop, Brookhaven National Laboratory 2005. Title: "The insulating regime of the superconductor-insulator transition: negative magnetoresistance, negative electroresistance and metallic behavior."

Tom Beaudoin, Religious Studies, gave a keynote address in October on the relationship between spirituality and economics from a Christian perspective, at a conference sponsored by the Vancouver School of Theology, in Vancouver, British Columbia. More information: <http://www.vst.edu/chalmers/Upcoming.php> Tom also accepted an invitation for the Burke Lectureship on Religion and Society at the University of California at San Diego. <http://burkelecture.ucsd.edu/>

Renee Billingslea, Art and Art History, Aldo Billingslea, Theater and Dance, and Bridget Cooks Art and Art History and Ethnic Studies, participated in a symposium on lynching and racial violence in October 2005, at the Cultural Heritage Center at the Martin Luther King Library and the San Jose State University Multicultural Center MOSAIC. Renee Billingslea created an art installation "Fabric of Race: Lynching in America" for the symposium. The symposium also included a reading of a play written by a SCU Theater Arts student.

Steve Chiappari, Applied Mathematics, presented a paper on joint work with Drazen Fabris, CSCUS and Sergio Zarantonello at the annual meeting of the Society for Industrial and Applied Mathematics 2005. The presentation was entitled "Solving Linear Elliptic Boundary Value Problems with Overcomplete Bases."

Mary Hegland, Anthropology and Sociology, will present a paper at a conference in Tehran, on Anthropology in Central Asia in December 2005. Mary also received a fellowship from the American Institute for Iranian Studies.

Michael Kevane, Economics, gave a talk on the peace treaty and prospects for peace in Sudan at Harvard University, March 2005. Michael Kevane and collaborator Dr. Alain Sissao gave a seminar presentation on their survey research on the impact of libraries at the French-sponsored Center for Development Research in Ouagadougou, Burkina Faso, in March 2005.

Dale Larson, Counseling Psychology, appeared on webMD as an expert on end-of-life decision making in the media: "Talking with Your Family about the End of Life." WebMD Live Events Event Date: 09/28/05

Nam Ling and Weijia Shang (both computer engineering), together with their students Xiaoquan Yi and Jun Zhang, developed the fastest motion estimation method for digital video coding today. In the recent international standard meeting in Poland, their method outperformed all other methods and is currently the fastest in the world. The method is now adopted by the most important video international standard (the JVT-H.264 standard) today and is included in the key reference software.

Tammy L. Madsen, Management, presented the following three papers at the May (2005) European Academy of Management Conference, Munich, Germany: Hoopes, D. and T. L. Madsen 2005. How Do Firms Differ: What Do We Know About Capabilities? Leiblein, M. J. and T. L. Madsen 2005. Unbundling Competitive Heterogeneity: Incentive Structures & Capability Influences on Technological Innovation. Madsen, T. L. 2005. Competitive Heterogeneity and Capabilities. The paper "Unbundling Competitive Heterogeneity: Incentive Structures & Capability Influences on Technological Innovation" was also accepted for presentation at the Academy of Management Meetings in August and accepted to the Conference's Best Papers' Proceedings (Business Policy & Strategy Division). Tammy also presented "The Evolution of Heterogeneity in Performance" (co-authored with Gordon Walker) at Stanford University's SCANCOR

seminar series (April 18) and at San Jose State University's Org. & Management Dept.'s seminar series (May 11).

Barbara Molony, History, presented "Middle-Class Tokyo Women and Subjectivity" at Harvard University, Cambridge, MA on April 22, 2005. Barbara also presented "Why Should a Feminist Care about what Goes on Behind Japan's Chrysanthemum Curtain? The Imperial Succession Issue as a Metaphor for Women's Rights," at the Woodrow Wilson International Center for Scholars, Washington, D.C. on April 19, 2005.

David Pace, Art and Art History, created an animated music video called "The Spirit of Gravity," which was shown at Cinequest in San Jose in 2005. The video features philosopher Friedrich Nietzsche singing lyrics inspired by "Thus Spake Zarathustra."

David J. Popalisky, Theater and Dance, and Cookie Ridolfi, Law, produced, "Barred from Life," which was featured in the *San Jose Mercury News*. The production showcases the experiences of people convicted of crimes and later exonerated. "We would like the audience to understand the human consequences of loss of family, loss of opportunity and loss of the freedom to pursue their lives," Popalisky said.

Andy Tsay, OMIS, presented "The Outsourcing Game" at the Supply Chain Thought Leaders Roundtable Conference in Heidelberg, Germany, in July 2005.