

JANICE NERGER NAMED DEAN OF THE COLLEGE OF NATURAL SCIENCES

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SPECIAL RECOGNITION

CSU Employee of the Month — Lois Samer



Lois Samer won Employee of the Month from the CSU Activities Board. She enjoyed her reserved parking space for the month of December 2010.

Congratulations Lois!
You are most deserving!!



The Department of Mathematics is pleased to announce that Janice Nerger has been named Dean of the College of Natural Sciences, where she started her career as a psychology professor 20 years ago. Provost Rick Miranda announced the appointment in December, stating, “Jan has been a tremendous asset to the college and the university – she is the right person to take this college, with its numerous programs of research and scholarly excellence, to the next level. Her knowledge and experience with the challenges facing our institution will ensure that we continue to provide an outstanding science education for our students, further develop our excellent research programs in the college and support our faculty's Science, Technology, Engineering, and Mathematics or STEM outreach efforts.”

Dr. Nerger came to CSU as an assistant professor in the Department of Psychology in 1989 after two years as a post-doctoral research fellow at NASA Ames Research Center and SRI International. She was promoted to associate professor in 1995 and full professor in 2002. She served as associate dean for six years during Miranda's tenure as dean. In 2009, she was appointed Interim Dean when Miranda was named Provost.

During Dr. Nerger's tenure as Interim Dean, external research expenditures in the college rose 13 percent and indirect cost returns increased 11 percent. The college budget totals roughly \$25 million; an additional \$25 million in research funding comes from external sources such as the federal government.

Dr. Nerger received her doctorate in Experimental Psychology from the University of California-San Diego in 1989. Her research is aimed at identifying neural mechanisms underlying human color perception.

In addition, Dr. Nerger has served on a number of college boards and commissions including the College Executive Committee (since 2002), the Faculty Council Committee on Strategic and Financial Planning, Diversity Operations Team, the Council of Associate and Assistant Deans and the Presidential Coordinating Committee for Undergraduate Success. She was also instrumental in establishing the new University Center on Science, Technology, Engineering, and Mathematics Education (COLO STEM Center) and chairs the STEM-Ed Deans Council.

GERHARD DANGLEMAYR NAMED CHAIR OF THE DEPARTMENT OF MATHEMATICS



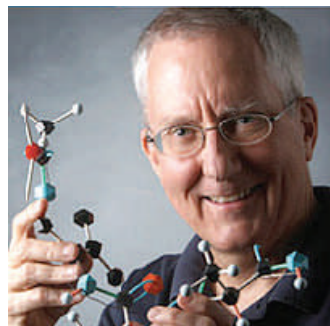
Dean Janice Nerger announced to colleagues in the Department of Mathematics her appointment of Professor Gerhard Dangelmayr as Department Chair. Professor Dangelmayr formally accepted the position effective June 1, 2011. He will hold a five year contract through the academic year 2016. Dean Nerger stated, "I am confident in Gerhard's abilities to provide leadership for the Department and look forward to working with him." Professor Dangelmayr is currently the Undergraduate Director overseeing the undergraduate program.

Dr. Dangelmayr was born in Stuttgart, Germany, and attended the University of Tübingen where he received his PhD degree in 1979 and his Habilitation for Mathematical Physics and Information Sciences in 1987. After his two-year postdoctoral fellowship, he has held positions as Lecturer and Professor at the University of Tübingen from 1981-95. In the fall of 1994, Dr. Dangelmayr held a visiting faculty position at Colorado State University. He joined the regular faculty in August of 1995 as Associate Professor and was promoted to Professor in 1998. Professor Dangelmayr's main research area is Applied Dynamical Systems, and he has established himself as a central figure in Equivariant Dynamics, Bifurcation Theory and Pattern Formation with applications in science and engineering. While at CSU, he has continued his distinguished record of published research, including now 96 refereed journal articles, a research monograph and two proceedings-volumes. He has an exemplary record in advising graduate students. To date, 11 doctoral students, four master's students and 20 undergraduate students have been guided to completed degrees. He has also served on the Editorial Board of the Rocky Mountain Journal of Mathematics.

Professor Dangelmayr has been an active faculty member in the Department of Mathematics. Beginning in 1996, he has been course coordinator for MATH 340 and 345 for 11 years. From 1998-2000 and again in 2003-2006, he was an active member of the Graduate Committee. In 2007, Dr. Dangelmayr was appointed Undergraduate Director, which includes chairing the Undergraduate Committee and a number of additional duties related to undergraduate instruction. In the fall of 2008 and the spring of 2010, Professor Dangelmayr was acting chair of the department. He has been an active member of the Executive Committee from 2008-2010.

2011 Arne Magnus Lecture Series

Guest speaker: Professor L. Ridgway Scott



The 2011 Magnus Lecture Series is being planned for April 5-7. This year's guest speaker is Professor L. Ridgway Scott from the University of Chicago. Watch for details of his talk on the departmental weekly news sight found at: www.math.colostate.edu/news.shtml

L. Ridgway Scott has been Professor of Computer Science and Mathematics at the University of Chicago since 1998, and a Louis Block Professor since 2001. He obtained a B. S. degree (*Magna Cum Laude*) from Tulane University in 1969 and a Ph. D. degree in Mathematics from the Massachusetts Institute of Technology in 1973. His thesis and later research was devoted to fundamental properties of the finite element method, the most widely used computational technique for engineering design and analysis. He was an L. E. Dickson Instructor in Mathematics at the University of Chicago from 1973-1975. From 1975-1978 he held positions at the Brookhaven National Laboratory.

A complete biological sketch can be found at: <http://people.cs.uchicago.edu/~ridg/bio.html>

A current résumé can be viewed at: <http://people.cs.uchicago.edu/~ridg/lrscv.pdf>

The *Arne Magnus Lectures* are given annually in the *Department of Mathematics* at *Colorado State University* in honor of Dr. Arne Magnus, our friend and colleague for 25 years. The 2009 lectures were supported by the Arne Magnus Lecture Fund and the Albert C. Yates Endowment in Mathematics. Contributions to the Magnus Fund are greatly appreciated and may be made through the Department of Mathematics. Please contact Sheri Hofeling (hofeling@math.colostate.edu) at (970)-491-7047 for specific details and information.

Department to Host UBM-PI Conference

March 10 – 11, 2011



The Department of Mathematics will be hosting the UBM-PI meeting Friday, March 11 and Saturday March 12, 2011. All meetings will be held on campus at the Lory Student Center. The conference will host faculty PI's and their respective undergraduate students across the United States. Some 150 participants are expected to attend.

CSU participants will include FEScUE (Flexible and Extendable Scientific Undergraduate Experience) undergraduate students and PI's Simon Tavener, Mathematics and Mike Antolin, Biology. [FEScUE](#) is a NSF funded program to support jointly mentored undergraduate research at the interface of the mathematical and biological sciences. FEScUE engages undergraduates and faculty in mathematics, statistics and the life sciences in jointly mentored interdisciplinary research clusters and in structured multidisciplinary coursework, preparing a new generation of biologists and mathematicians. At the annual UBM-PI conference, students will present the findings from their research clusters with a brief presentation followed by a group poster session.

NEWLY AWARDED DEPARTMENTAL GRANTS (SEPTEMBER 16–DECEMBER 31, 2010)

Primary PI	Co-PI	Sponsor	Title	Amount
Donald Estep	Simon J. Tavener	Multiscale Design Systems	Contract with Multiscale Design Systems, LLC	\$80,000
Michael Kirby	NA	NSF—National Science Foundation	ATD: Mathematical Algorithms for Characterizing Spectral Signatures	\$73,720
Patrick Shipman	NA	NSF—National Science Foundation	Biomedical & Biochemical Mechanisms for Patterns or Plants	\$131,259
Simon J. Tavener	Donald Estep	NSF—National Science Foundation	Collaborative Research: A Posteriori Error Analysis and Adaptivity for Discontinuous Interface Problems	\$79,980

NEW STUDENT SIAM ORGANIZATION



The Department of Mathematics petitioned last semester to start a student chapter of SIAM on campus. In late fall, the application was approved, followed by the elections of officers which include Lori Ziegelmeier, President; Sarah Hamilton, Vice President; Justin Marks, Treasurer; Eric Hanson, Secretary; Ryan Croke, Liaison Officer; Nate Burch, Webmaster; and Dr. James Liu, faculty advisor.

The purpose of the SIAM chapter is to further the application of mathematics to industry and science, promote research in mathematics leading to new methods and techniques useful to industry and science, and exchange information and ideas between mathematicians and other technical and scientific personnel. Graduate or undergraduate students engaged or interested in mathematics or computing and their applications, are eligible for membership, including members from multiple departments. Any graduate student at CSU is eligible to be an active member and hold office, while non-students and undergraduate students may act as associate members but may not vote or hold office.

THE CAMPAIGN FOR
Colorado State University

Support Colorado State today...
GIVE A GIFT
Help CSU today for a better tomorrow.

Colorado State University students and faculty embody a spirit of service and a passion for innovation. Our alumni and friends exemplify the value of relationships and tradition. As the state's land-grant University, we honor our history and responsibility to provide access to excellent public higher education. The Campaign for Colorado State University represents a vote of confidence in everything we do, everything our University stands for. This \$500 million campaign increases financial support for students and faculty. It strengthens learning and research experiences. It improves and expands facilities for our growing campus community. The campaign challenges all those who believe in CSU and its mission to help secure its future.

Your gifts allow us to open doors, change lives, and transform our world.