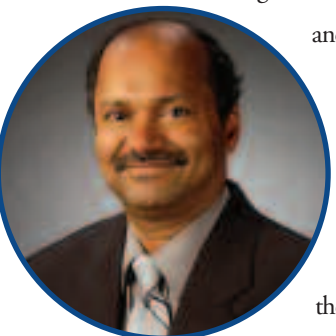


Faculty News

The Wright State University Board of Trustees selected **K.T. Arasu**, professor of mathematics and statistics, as the winner of the Trustees' Award for Faculty Excellence. This award is presented to a faculty member in recognition of sustained excellence in teaching, scholarship, and service.

"Dr. Arasu's accomplishments have been phenomenal," said **Michele Wheatly**, dean of the College of Science and Mathematics. "His long-term success in obtaining research funding from the National Science Foundation (NSF), the National Security Agency (NSA), and the Air Force Office of Scientific Research far exceeds what is often viewed as being feasible for any mathematician at any university. He operates on a very high level, with scholars from around the world regularly visiting Wright State to work with him. He has excelled in both very abstract mathematical work and in very applicable areas of cryptology and of data and communication security."

Over the past 15 years, Dr. Arasu has supported approximately 20 undergraduate students and 15 graduate students with his NSA



K.T. Arasu

and NSF grants. His research focuses on difference sets and related areas of combinatorial mathematics, algebra, and number theory. His work not only applies to the combinatorial field, but also to engineering and computer science. Dr. Arasu developed a NSF-sponsored summer program for mathematics teachers to expose them to current research in cryptography and other areas of discrete mathematics.

A Wright State faculty member since 1983, Dr. Arasu earned his doctorate at The Ohio State University and his bachelor's and master's degrees at Punjab University in Chandigarh, India.



Steve Higgins

Steve Higgins, assistant professor of chemistry, received the "President's Award for Faculty Excellence: Early Career Achievement Award." This award recognizes excellence in teaching, scholarship, or service during the formative years of a junior faculty member's initial appointment.

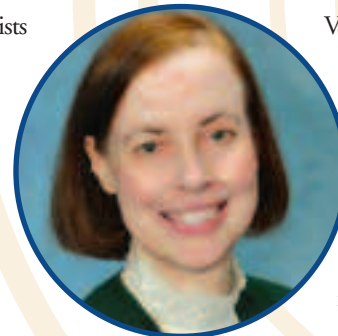
Allen Burton, professor of biology, was elected vice president of the World Council of the Society of Environmental Toxicology and Chemistry (SETAC) for 2006. He will serve as president in 2007. This society represents about 5,000 scientists worldwide, with four Geographical Unit offices in North American, Europe, Asia Pacific, and Latin America. A new group is also forming in Africa. The future is bright for SETAC, because they mandate balanced perspectives (equal representation) on all science issues with representatives from academia, government, business, and NGOs. This balanced viewpoint gives them credibility with regard to controversial environmental issues and debates. SETAC's motto is "environmental quality through science."



Allen Burton

Jane Fox, a research professor in the Department of Physics, who has studied the upper levels of earth's atmosphere and the planets for more than 30 years, has been named a Fellow of the American Geophysical Union (AGU). She was

one of 43 worldwide scientists selected for the honor that is awarded annually to no more than one of every 1,000 AGU members. In nominating Dr. Fox for the award, Professor **Alexander Dalgarno** of the Smithsonian Center for Astrophysics at Harvard University described her as "a commanding figure in planetary physics and astronomy. Her contributions have been innovative, influential and enduring and have become part of the conventional wisdom."



Jane Fox

Julian Gomez-Cambronero, professor of neuroscience, cell biology, and physiology, recently received the Sembrador Award in his hometown of Manzanera, Spain. The award was presented by "Siembra" magazine in recognition of his international leadership in biomedical research.

"Dr. Gomez-Cambronero is the first scientist from our city to receive this award that has traditionally been given to composers, choral directors, poets, playwrights, historians, painters, sculptors, or doctors," said Isabel Romera, director of "Siembra" magazine. "It recognizes his contributions, outstanding academic merits, and leadership in inflammatory and leukemia biomedical research in the United States. He has proudly taken the name of our city far beyond Manzanera and across the Atlantic Ocean."



Julian Gomez-Cambronero

Virginia Governor **Mark R. Warner** recently appointed **Dan Krane**, associate professor of biology, and 12 other scientists from around the country to oversee the state's crime laboratory. This group review's laboratory operations, adopts qualification standards for the laboratory director and other staff, and establishes an audit process to be used when errors occur.

The Virginia crime laboratory has come under scrutiny recently because of high-profile testing and procedural errors that, once uncovered, resulted in long-incarcerated individuals being found innocent and subsequently released from prison. New York and now Virginia are the only two states that have a scientific review panel for their DNA laboratories. Other states are considering similar panels, according to **Betty Layne DesPortes**, chairwoman of the jurisprudence section of the American Academy of Forensic Science.

New CoSM faculty for the fall of 2005

Three new assistant professors joined the Department of Biological Sciences. **Paula Bubulya**, whose specialty is studying nuclear processes through high-resolution imaging of live cells, came from Cold Spring Harbor Laboratory. **Lisa Kenyon** is a Science Educator, with a joint appointment in the College of Education; she came from Northwestern University. **John Stireman**, an evolutionary ecologist with special interest in insects and their parasitoids, joined us from Iowa State University. Also in Biological Sciences are two new instructors: **Athanasios ("Tom") Bubulya** and **Meredith Reedy**.

Alumni Notes *continued*

Dr. Ralston currently works for a drug development company in San Diego that focuses on dermatology-related areas of medicine. He is responsible for assessing the scientific and commercial viability of technologies and products and also provides technical guidance on non-clinical pharmacology and toxicology studies. One of his favorite things about his career is the fact that he is able to blend science with business.



William Ralston

Lawrence N. Killian, Ph.D., a 1991 graduate of the Biomedical Sciences Ph.D. program, is currently a professor of biology and the faculty development coordinator at Clark State Community College. His principal assignments are four online anatomy and physiology courses. His WSU advisor was **Dr. Robert Gardier**, a professor in Pharmacology and Toxicology.

Dr. Killian describes himself as a career teacher; he is completing his 41st year as a teacher, of which 37 years have been at the college level. He said, "I have had the privilege of teaching and directing many students from Cedarville University and Clark State Community College to several program areas at Wright State University, including the Wright State Medical School." He received a 2004 Excellence in Education Award and was selected as one of Ohio's top 100 educators in higher education by "Ohio Magazine." He was recently named for the third time to Who's Who among American Teachers (2004-2005).

As a friend of the University, your gift to the CoSM could provide the margin of excellence — the difference between a university that offers solid academic programs and one that offers outstanding and innovative programs. Your gift would provide state-of-the-art technology in our classrooms and laboratories, competitive resources for a world-class faculty, and critically needed financial aid, which helps ensure that higher education remains accessible to all students. In addition to sustaining current programs, your gifts would also help the CoSM fund educational initiatives that respond to our changing world. I hope you would remember us when you receive a letter or call from the University.

Give or pledge to the CoSM online at <http://wsufoundation.wright.edu/>