

EXCELLENCE

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25 Faculty earn New Frontiers in Arts and Humanities grants

On the heels of President McRobbie's announcement as part of IU's Bicentennial strategic Plan of continued funding for the New frontiers in the Arts and Humanities program, 25 more faculty members have been named to receive New Frontiers grants.

Considered one of the largest internally funded university arts and humanities programs supporting scholarship and creative activity, the New Frontiers program has awarded more than \$9.3 million to 451 faculty members in the past 10 years. This latest round of awards provides up to \$50,000 each in Creativi-

ty and Scholarship Awards to 19 faculty members from four campuses and up to \$15,000 each in Experimental Fellowship Awards for six faculty members from three campuses.

Several members of the Alliance received grants, including Maria Bucur-Deckard, Jeffrey Gould, and Ruth Stone.

New Frontiers has helped define IU's commitment to support innovative and creative scholarship with the potential for transformative achievement.

"New Frontiers has repeatedly fostered exciting

new opportunities for our faculty by integrating the arts, scholarship and creativity, and empowering that relationship with a strong commitment of support," McRobbie said.

"This program has allowed our faculty to expand the breadth and depth of their research and creative activity and led to the development of innovative works across a wide range of disciplines. In doing so, it has guaranteed that IU's longstanding tradition of excellence in the arts and humanities continues to thrive and enrich our quality of life."

-per IU news release

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IU chemist keynote speaker at National Academy of Inventors annual conference

IU Distinguished Professor of Chemistry Richard DiMarchi gave a keynote address during the National Academy of Inventors' fourth annual conference in Pasadena, California in March. One of the world's leading peptide chemists

and a prolific entrepreneur, DiMarchi— the Stanford H. Cox Professor of Chemistry and Linda and Jack Gill Chair in Biomolecular Sciences in the IU-Bloomington College of Arts and Sciences' Department of Chemistry— was

one of four keynote speakers at the event hosted by the California Institute of Technology. Di Marchi was also elected as an NAI Fellow. Fellows are nominated for outstanding contributions to innovation.



James Perry

IU professor emeritus honored for career contributions to public management

Indiana University Distinguished Professor Emeritus James Perry received the George Frederickson Award for his contributions to the field of public management during a career that has spanned more than 40 years.

Perry retired from the IU School of Public and Environmental Affairs in Bloomington in 2013 but remains active lecturing, researching and writing about how governments function and can operate more efficiently.

The biennial award was presented in early June at the Public Management Research Association conference in Minneapolis. It is named for George Frederickson, a former SPEA professor and administrator, who is now on the faculty of the University of Kansas.

Perry joined the SPEA faculty in 1985. He is editor-in-chief of *Public Administration Review* and serves on the editorial board for *Nonprofit and Voluntary Sector Quarterly* and *International Review of Public Administration*. Perry has authored or edited 10 books and more than 150 articles and book chapters. He has conducted pioneering research on performance pay for government employees and the motivations for public service.

"This is an especially gratifying honor because I consider George a friend and mentor and because of what it says about the quality and breadth of the research and scholarship here at SPEA," Perry said. "My colleagues at SPEA are a constant source of inspiration and guidance, and their contributions have made *PAR*, headquartered at SPEA, the pre-eminent journal in the field."

In a letter to Perry announcing the award, the Public Management Research Association wrote: "Your widely cited and influential work on public service motivation has shaped a thriving and internationally significant area of research in public management. In addition to your own seminal work in this and other areas, you have also helped to build the field institutionally. This includes: your participation as an editor or board member of 15 journals, particularly your current leadership of *Public Administration Review*; your participation in *PMRA* and other associations; your influence on practice, including as a fellow of the National Academy of Public Administration; and your many international collaborations."

-per IU news release

"There is no higher award for public management scholarship, and we are immensely proud that Jim's impact on the field is being recognized this way."

Traditions of
Excellence



Indiana University names six distinguished professors

Six Indiana University researchers and scholars have been promoted to distinguished professor, the highest academic rank the university can bestow upon its faculty. The appointments were approved by the IU Board of Trustees.

The six are biomedical researcher Janet S. Carpenter of the School of Nursing and psychiatric geneticist John I. Nurnberger Jr. of the School of Medicine, both at Indiana University-Purdue University Indianapolis; and Central Eurasian studies scholar Jamsheed K. Choksy, biochemist Craig S. Pikaard, anthropologist Richard R. Wilk and mathematician Kevin Zumbrun of the College of Arts and Sciences at IU Bloomington.

professor was created by the Board of Trustees in 1967. The title is conferred by the university president with approval by the board.

“These six distinguished professors have demonstrated sustained records of outstanding contributions across their widely varied disciplines through their research, teaching and service,” IU President Michael A. McRobbie said. “All have had a transformative and strongly positive impact on their fields and on the university, exemplifying the highest standards of academic accomplishment, leadership and integrity. It is highly appropriate that they are being recognized with the university’s most prestigious faculty appointment.”

ship recognizes faculty who have transformed their fields of study and received international recognition for their work. Faculty, alumni, students and colleagues nominate candidates, citing outstanding research, scholarship and artistic or literary distinction. Nominations are reviewed by the University Distinguished Ranks Committee, which recommends appointments. Brief biographies of IU’s new distinguished professors can be found on the University Honors and Awards website.



Janet Carpenter

“They exemplify the highest standards of academic accomplishment, leadership and integrity.”

The rank of distinguished The distinguished profes-

Distinguished Teaching Awards Presented, April 2015

Indiana University honored 16 faculty members and three graduate students for excellence in teaching, research and service to the university Friday, April 10, at the 2015 Celebration of Distinguished Teaching dinner. The dinner, held at the Indiana Memorial Union, is a part of IU’s Founders Day, an annual spring celebration that marks the university’s founding in 1820.

Six new distinguished professors, and members of the Alliance, were announced; Janet Carpenter, biomedical researcher in the School of Nursing; John Nurnberger Jr., psychiatric geneticist in the School of Medicine at IU-Bloomington and Indiana University-Purdue University Indianapolis; Jamsheed Choksy, a Central Eurasian Studies scholar; Craig Pikaard, a biochemist; Richard Wilk, an anthropologist; and Kevin Zumbrun, a mathematician in the College of Arts and Sciences at IU-Bloomington,

“As the bicentennial of Indiana University approaches, we are reminded that while much has changed over the course of IU’s history, our fundamental mission -- excellence in education and research -- remains unchanged,” McRobbie said. “This annual ceremony helps to foster and extend a culture of excellence and recognizes our outstanding faculty for their dedication to their disciplines, their devotion to their students and their tireless efforts on behalf of Indiana University.”



Jerome Busemeyer

IU Provost Professor Jerome Busemeyer receives top award in experimental psychology

Jerome Busemeyer, Provost Professor in the Indiana University Bloomington College of Arts and Sciences' Department of Psychological and Brain Sciences, has been named the winner of the 2015 Howard Crosby Warren Medal for his lifelong contributions and groundbreaking new work in psychological science.

Busemeyer received the award from the Society for Experimental Psychologists, an honorary society for distinguished researchers in the field. The award recognizes outstanding achievement in experimental psychology.

Busemeyer is one of the world's leading researchers in decision-making theory, with work that centers in psychology but extends to economics, business, marketing, political science, engineering and computer science, among other fields. In recent years, he has nearly single-handedly launched an influential new field of scientific inquiry sparking international conferences, special issues of journals and major books.

He is best known for the development of decision field theory, a model of decision-making that describes the variability of human preferences, and how these preferences evolve across time. The theory provides an elegant account of decision-making under risk, as well as explains a host of decision-making paradoxes.

He is also a pioneer in quantum cognition, a new theoretical approach for understanding decision-making that views human cognition as governed not by "rational" principles of standard probability theory, but rather a probability system borrowed from quantum theory. Beyond demonstrating that the new theory predicts research findings regarded as problematic under rational models, Busemeyer has developed new and systematic empirical tests that provide significant support for this new approach.

"The theories that Jerome has developed during his brilliant career have provided explanations for some of the most intriguing paradoxes in the field of human decision-making," said Robert Nosofsky, Distinguished Professor and Chancellor's Professor of Psychological and Brain Sciences. "He has done this yet again by demonstrating how quantum-probability theory explains the nature of human cognition."

Richard Shiffrin, Distinguished Professor and the Luther Dana Waterman Professor of Psychological and Brain Sciences, added: "Many scientists make important contributions, but Jerome Busemeyer is among a very small group of scientists that are responsible for starting a new branch of science."

Based on the mathematical principles of quantum theory, quantum cognition is one of the first attempts to apply the principles of quantum theory to a field outside physics. Concepts of "contextuality" and "quantum entanglement," for example, are used to explain the conditional and ambivalent nature of human thinking in a new light.

Busemeyer joined IU Bloomington in 1997. He holds a doctorate in psychology from the University of South Carolina and served two years as manager of the Cognition and Decision Program at the Air Force Office of Scientific Research. A past editor of the *Journal of Mathematical Psychology*, he is also the author of more than 100 articles in leading peer-reviewed journals in several fields and books on decision-making and cognitive modeling. He has been continuously funded by the National Science Foundation, the National Institute of Mental Health, the Air Force Office of Scientific Research and the National Institute on Drug Abuse since 1997.

IU professors named to the American Association for the Advancement of Science

Three faculty members from Indiana University have been named fellows of the American Association for the Advancement of Science, a distinction that recognizes outstanding contributions to the progress of science and research.

The 2014 fellows are Edward J. Berbari, Chancellor's Professor and chair of the biomedical engineering department at Indiana University-Purdue University Indianapolis; Thomas Sterling, professor of computer science in the School of Informatics and Computing at Indiana University Bloomington; and P. Sarita Soni, professor emerita in the School of Optometry at IU Bloomington.

"These three outstanding scholars have advanced science through important and original work in fields ranging from high-resolution electrocardiography to correction of vision problems to extreme-scale computing," IU President Michael A. McRobbie said.

Berbari chairs the biomedical engineering de-

partment in the Purdue School of Engineering and Technology at IUPUI. He has conducted research in cardiac electrophysiology for over 40 years, with special interests in high-resolution electrocardiography, cardiac mapping and biophysical modeling. He served on the Whitaker Foundation Fellowship Award Committee for six years and the National Institutes of Health Surgery and Bioengineering Study Section for five years.

Sterling is chief scientist and executive associate director of the Center for Research in Extreme Scale Technologies at IU Bloomington. He has conducted research in parallel computing system structures, semantics, and operation in industry, government labs and academics. Sterling is best known as the "father of Beowulf" for his research in commodity/Linux cluster computing. He is currently engaged in re-

search on the innovative ParalleX execution model for extreme-scale computing to establish principles guiding the development of future-generation Exascale computing systems.

Soni has conducted research on the cornea and development and correction of refractive errors, resulting in over 70 publications. She has served as vice provost for research at IU Bloomington and associate vice president for research at Indiana University, with responsibility for coordinating and developing research across disciplines and for 20 campus research centers and institutes. She also was interim dean of the School of Optometry. She helped establish the Borish Center for Ophthalmic Research at IU in 1995 and was its co-director until 2006.



Edward J. Berbari



Thomas Sterling and Sarita Soni



Feisal A. Istrabadi

IU professors named to American Academy of Arts and Sciences

Indiana University Bloomington faculty members Feisal Amin Rasoul Istrabadi, Robert M. Nosofsky and Roger M. Temam have been selected for membership in the American Academy of Arts and Sciences, one of the nation's oldest and most prestigious honorary societies.

Istrabadi is founding director of the Center for the Study of the Middle East and professor of practice of international law and diplomacy in the Maurer School of Law and in the School of Global and International Studies. Nosofsky is Distinguished Professor and Chancellor's Professor in the Department of Psychological and Brain Sciences in the College of Arts and Sciences. Temam is director of the Institute for Scientific Computing and Applied Mathematics and Distinguished Professor and College Professor in the Department of Mathematics in the College of Arts and Sciences.

"Outstanding scholars and researchers are the essential element of every world-class university, and Professors Istrabadi, Nosofsky and Temam are without question among the most distinguished and accomplished members of the Indiana University faculty," IU President Michael A. McRobbie said. "

One of the nation's most

prestigious honorary societies, the American Academy of Arts and Sciences is also a leading center for independent policy research. Members contribute to academy publications and studies of policy, international affairs, the humanities, arts and education.

The 2015 class includes winners of the Nobel Prize and the Pulitzer Prize; MacArthur and Guggenheim Fellowships; and Grammy, Emmy, Oscar and Tony awards. Among the members are scientists and mathematicians, social scientists, scholars of the humanities, artists and musicians, journalists, public affairs experts and leaders of businesses and cultural, philanthropic and education organizations.

Nosofsky studies the way people perceive, categorize, classify, remember and decide about the objects around them. A main theme of his research involves studying relations between categorization and other fundamental cognitive processes. Considered to be among the leading figures in cognitive science and experimental psychology for his groundbreaking research in categorization, he received awards from the Society of Mathematical Psychology, the American Psychological Association and the National Academy of Sciences and is a member of the Society of

Experimental Psychologists.

Temam is credited with defining the domain of discourse in several large areas of applied mathematics, including numerical computation of fluid flows, slow dynamics and inertial manifolds, turbulence theory, and climate modeling. He is one of the top experts in mathematical models for climatology and a leading expert worldwide in nonlinear partial differential equations and their applications. He has received numerous international honors and awards and is a fellow of the Society for Industrial and Applied Mathematics, the American Association for the Advancement of Science and the American Mathematical Society.

Istrabadi focuses his research on the processes of building legal and political institutions in countries in transition from dictatorship to democracy. He served as ambassador and deputy permanent representative of Iraq to the United Nations from 2004 to 2007. Prior to that, he was a legal advisor to the Iraqi minister for foreign affairs and principal legal drafter of Iraq's interim constitution. He is an alumnus of IU Bloomington and the Maurer School of Law.

-per IU news release



Robert M. Nosofsky



Roger M. Temam

Alliance of Distinguished
and Titled Professors

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Letters to the Editor

The Steering Committee invites the general membership to contribute “letters to the editor.” The topics should be related to the mission of the Alliance. Given our sparse publication schedule, the letters should address concerns that will be of relevance after a delay of weeks or months. Such letters provide a means for members not on the Steering Committee to play a role in setting policy and priorities, and we encourage you to make such a contribution. Please send comments and letters to the Alliance email, alliance@indiana.edu.

Save the Date

Fall Dinner to be held:
Monday, September 21,
2015 in Bloomington



Indiana University, Bloomington



Alliance of Distinguished
and Titled Professors