



College of Engineering Adds Nine New Faculty

Fred Mannering, highly regarded transportation expert, joins the Civil and Environmental Engineering Department.

TAMPA, Fla. (September 2, 2015) Robert H. Bishop, Dean of the College of Engineering at the University of South Florida, recently announced nine new faculty have joined the college in the areas of civil engineering, computer science and engineering, and industrial and management systems engineering.

"I am very pleased with the faculty who have chosen to join us," said Dean Robert H. Bishop. "The caliber of their teaching experience and research expertise will be invaluable to the learning experiences of the college's more than 5,000 engineering students."

Joining the Civil and Environmental Engineering Dept. are Professor **Fred Mannering** and **Assistant Professor Xiaopeng Li**.

Fred Mannering was the Charles Pankow Professor of Civil Engineering at Purdue University with a courtesy appointment in the Department of Economics. He received his PhD from the Massachusetts Institute of Technology. Prof. Mannering's expertise is in the application of statistical and econometric methods to study a variety of subject areas including highway safety, transportation economics, automobile demand, and travel behavior. Mannering has published more than 100 refereed journal articles, two text books, over 60 other publications (conference proceedings, project reports, book reviews and commentaries), and has given more than 120 invited lectures and presentations at professional conferences. His body of work has been cited four thousand times in Scopus, four thousand times in the Institute for Scientific Information (ISI) databases, and nine thousand times in Google Scholar.

His undergraduate textbook, "Principles of Highway Engineering and Traffic Analysis," is the best-selling introductory transportation engineering text in the United States and has been used at more than 100 universities. Now in its fifth edition it has sold 50,000 copies. He has been principal investigator on 42 funded research projects and has supervised 22 PhD students and 43 MS students. Prof. Mannering was previously editor-in-chief of Elsevier Science's Transportation Research Part B: Methodological (2003-2012) and is currently founding editor and editor-in-chief of Elsevier Science's Analytic Methods in Accident Research (2012-present). Mannering's awards include: the Charles B. Murphy Outstanding Undergraduate Teaching Award, Purdue University's highest undergraduate teaching honor (2013); Arthur M. Wellington Prize (2010); James Laurie Prize (2009); Wilbur S. Smith Award (2005); and the National Highway Safety Award (2001).

Xiaopeng Li was an assistant professor in the Department of Civil and Environmental Engineering at Mississippi State University (MSU). Prior to joining MSU in 2012. He worked for Caterpillar Inc., as a logistics research analyst. He holds an MS in civil engineering from the University of Illinois at Urbana-Champaign (UIUC), an MS in applied mathematics from UIUC, and a PhD in civil engineering also from UIUC. He is a recipient of an NSF CAREER award and has published 18 research papers in peer-reviewed journals and served as the PI and co-PI for several research projects funded by multiple federal (e.g., NSF, FHWA) and local agencies.

The Department of Computer Science and Engineering added five new faculty. The department grants degrees in the highly sought after fields of computer science, information technology and computer engineering, which has record numbers of students enrolled over the past several years.

Two associate professors, **Xinming (Simon) Ou** and **Siriam Chellappan**; assistant professor, **Paul Rosen**; and two instructors, **William Hendrix** and **Isabela Moura-Hidalgo** have joined the department

Simon Ou held the Peggy and Gary Edwards Chair in Engineering at Kansas State University, where he received a National Science Foundation CAREER award in 2010. He earned his PhD from Princeton University.

Siriam Chellappan comes to USF from the Missouri University of Science and Technology, where he was an associate professor. His research areas focus on socio technical systems – cyber security and smart health, mobile and wireless networking, cyber physical systems, distributed and cloud computing. He received his PhD from The Ohio State University.

Paul Rosen, joins the department from the University of Utah, where he has been a research assistant professor in the School of Computing. His research interests are primarily in the areas of data analytics, particularly scientific and information visualization. He received his PhD from Purdue University as well as an Executive MBA from the University of Utah.

Isabela Moura-Hidalgo earned her PhD from USF and will be an instructor. Her research interests are human computer interaction, programming languages and education.

William Hendrix joins USF from Northwestern University where he was a lecturer and research assistant professor. He received his PhD from North Carolina State University. His major areas are graph algorithms and parallel computing.

Two new faculty joined the Dept. of Industrial and Management Systems Engineering – Associate Professor **Changhyun Kwon** and Assistant Professor **Mingyang Li**.

Changhyun Kwon was an assistant professor in the Department of Industrial and Systems Engineering at the University at Buffalo, the State University of New York. He earned a PhD from Penn State University. His research interests focus on risk management in transportation systems, integrated transportation approaches, and operations management in sustainable transportation systems.

Mingyang Li joins the department from The University of Arizona, where he was a research assistant. He received his PhD from The University of Arizona. His research interests are data analytics and system informatics with their applications in reliability, quality, energy, homeland security, and manufacturing.

According to the NACE Spring 2015 Salary Survey, among class of 2014 graduates, those earning degrees in engineering received the highest average starting salary—\$64,891. Class of 2014 graduates in the computer sciences field also earned high average starting salaries. Their overall average is \$62,194. Of the five reported computer-related disciplines, specific “computer science” majors topped the list, with an average starting salary of \$66,801.

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Led by Dean Robert H. Bishop, the College of Engineering at the University of South Florida is ranked at #69 among public institutions (#99 overall) by U.S. News & World Report’s 2016 engineering graduate school rankings. The college serves 5,000 students offering ABET-accredited undergraduate degrees in seven programs, as well as 13 master’s and nine doctoral degrees. The College is actively engaged in local and global research activities with \$36.3 million in research awards for the fiscal year 2013-14.

The University of South Florida is a high-impact, global research university dedicated to student success. USF is a Top 50 research university among both public and private institutions nationwide in total research expenditures, according to the National Science Foundation. Serving nearly 48,000 students, the USF System has an annual budget of \$1.5 billion and an annual economic impact of \$4.4 billion. USF is a member of the American Athletic Conference.