

World-Renowned NTU Electrical Engineers Honored With Awards

The Pan Wen-yuan Foundation has conferred its 2012 Outstanding Research Award on two NTU professors and one NTU alumna; Dr. Li-chen Fu and Dr. Homer H. Chen are both distinguished professors of the Department of Electrical Engineering while Dr. Teresa H. Meng is the Reid Weaver Dennis Professor of Electrical Engineering at Stanford University.

The Pan Wen-yuan Foundation was established in 1996 to honor its namesake, who is known as the father of Taiwan's semiconductor industry. The foundation awards its Outstanding Research Award to outstanding ethnic-Chinese researchers who make significant discoveries and innovations in electronics, information technology, and/or telecommunications.

Dr. Fu, a former NTU secretary-general, is highly regarded both at home and abroad. A technology renaissance man, Dr. Fu's research interests span a wide spectrum, including nonlinear systems control, adaptive control, visual tracking and servoing, magnetic levitation, mechatronics, robotics, production automation and scheduling, home automation, and e-commerce.

Dr. Homer H. Chen holds the Irving T. Ho Chair Professor of the College of Electrical Engineering and Computer Science. The IEEE fellow's interests lie in multimedia signal processing and communications, including music emotion recognition, perceptual video processing, light field cameras, and cloud computing. He has developed many new interactive multimedia technologies for MPEG-4 and JPEG-2000.

Dr. Teresa H. Meng graduated from the Department of Electrical Engineering in 1983. The Academia Sinica Academician worked at Stanford for a decade before ceasing to establish the highly successful Atheros Communications Inc. in 1999. She returned to Stanford in 2000. Her current interests are the cutting-edge fields of bio-implant technologies and neural signal processing.

Three Young Professors Earn Research Publication Awards

Academia Sinica honored the research achievements of three NTU professors with Outstanding Young Scholar Research Publication Awards on June 5. The award was established in 1996 to encourage young scholars to publish probing academic papers.



Prof. Nei-li Chan of the Institute of Biochemistry and Molecular Biology specializes in analyzing the structural biology of proteins. By investigating the three-dimensional structures of proteins, he has unveiled new perspectives and created valuable applications for the biological functions of protein molecules. He has published two papers that not only further clarify the functional mechanisms of anticancer medicines but more importantly explain the factors influencing drug resistance in cancer cells.



Dr. Tsung-Lin Yang is an assistant professor at the College of Medicine's Department of Otolaryngology. Besides being a head and neck surgeon, Dr. Yang is a physician scientist, as well. He has been recognized for his research into the use of biomedical materials for tissue engineering and regenerative medicine. Yang also developed a new methodology for salivary tissue structure formation.

Prof. Wen-chen Chang of the College of Law has published prolifically in public law, constitutional law, and international human rights. Prof. Chang's research approach reflects her interdisciplinary integration of law, politics, and international comparative studies. She conducts research into the development of constitutional government by the United States Supreme Court and the constitutional courts of other nations to gain insight into the courts' functions and limitations. Chang's research is recognized for its current relevance as well as its foresighted, macroscopic outlook.

