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Pioneering Medical Implants Researcher Dr. J.-C. Chiao Named Mary and Richard Templeton Centennial Chair and Professor in Electrical Engineering at SMU

DALLAS (SMU) – Dr. J.-C. Chiao has joined the [Lyle School of Engineering](#) as the Mary and Richard Templeton Centennial Chair and Professor in Electrical Engineering. Chiao comes to Lyle as a pioneering researcher with multidisciplinary expertise in microwaves, micro-electro-mechanical systems (MEMS), electromagnetics, instrumentation, materials and nanotechnology. Chiao’s inventions improve medical diagnosis, monitoring and treatment sensors and devices, and have been applied to treat gastroesophageal reflux disease, neural implants for pain management, prostate cancer metastasis risk assessment, and flexible biomarker sensors. In this role, Chiao will teach Electromagnetics, Advanced MEMS and other topics that align with furthering research in these areas.

“We are honored to have such an accomplished researcher and professor join our faculty,” said Marc. P Christensen, dean, Lyle School of Engineering. “Dr. Chiao’s passion for innovation in medical devices will continue to have great impact on public health solutions around the world. His leadership will help guide students to find new applications and make significant advances in this important field.”

Chiao is currently a fellow of the International Society for Optics and Photonics (SPIE) and a senior member of the Institute of Electrical and Electronics Engineers (IEEE). He is the recipient of numerous awards, honors and recognitions including the Edith and Peter O'Donnell Award in Engineering by The Academy of Medicine, Engineering and Science of Texas (TAMEST).

Over his career, Chiao has published and edited more than 300 peer-reviewed technical publications and served in a number of editorship roles, most notably as Editor-in-Chief, *IEEE Journal of Electromagnetics, RF, and Microwaves in Medicine and Biology*. He has been a speaker at 170 invited engagements, including serving as IEEE Microwave Theory and Techniques (MTT) Distinguished Lecturer and IEEE Sensors Council Distinguished Lecturer. He has 13 awarded and 11 pending U.S. patents.

Chiao has also held several previous prominent positions in academia and industry, most recently as the Janet and Mike Greene Endowed Professor and Jenkins Garrett Professor of Electrical Engineering at the University of Texas at Arlington, and as an adjunct professor with Internal Medicine at University of Texas – Southwestern Medical Center.

Chiao received his B.S. degree in Electrical Engineering from National Taiwan University in 1988 and earned both M.S. and Ph.D. degrees in Electrical Engineering at California Institute of Technology in 1991 and 1995.

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About SMU

SMU is the nationally ranked global research university in the dynamic city of Dallas. SMU's alumni, faculty and nearly 12,000 students in seven degree-granting schools demonstrate an entrepreneurial spirit as they lead change in their professions, community and the world.

About the Bobby B. Lyle School of Engineering

SMU's Bobby B. Lyle School of Engineering, founded in 1925, is one of the oldest engineering schools in the Southwest. The school offers eight undergraduate and 29 graduate programs, including master's and doctoral degrees, through the departments of Civil and Environmental Engineering; Computer Science and Engineering; Electrical Engineering; Engineering Management, Information and Systems; and Mechanical Engineering. Lyle students participate in programs in the unique Deason Innovation Gym, providing the tools and space to work on immersion design projects and competitions to accelerate leadership development and the framework for innovation; the Hart Center for Engineering Leadership, helping students develop nontechnical skills to prepare them for leadership in diverse technical fields; the Caruth Institute for Engineering Education, developing new methodologies for incorporating engineering education into K-12 schools; and the Hunter and Stephanie Hunt Institute for Engineering and Humanity, combining technological innovation with business expertise to address global poverty.