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SMU LYLE SCHOOL OF ENGINEERING PROFESSOR J.-C. CHIAO NAMED IEEE FELLOW

DALLAS ([SMU](#)) – J.-C. Chiao, the Mary and Richard Templeton Centennial Chair and Professor in Electrical Engineering at the SMU [Lyle School of Engineering](#) has been named an Institute of Electrical and Electronics Engineers (IEEE) Fellow. With this honor, Chiao is being recognized for his contributions to wireless and batteryless medical implants. His groundbreaking research utilizing electromagnetic waves for medical applications has made significant impacts on health care innovations, including closed-loop pain management systems and gastric motility management.

“Professor Chiao’s recognition as a fellow of the IEEE celebrates the cumulative impact of his research in biomedical devices in the world,” said Lyle Dean Marc P. Christensen. “We are proud that IEEE has chosen to recognize him this year.”

The IEEE Board of Directors confers the IEEE Grade of Fellow upon a person with an outstanding record of accomplishments in any of the IEEE fields of interest. The total number selected in any one year cannot exceed one-tenth of 1% of the total voting membership. IEEE Fellow is the highest grade of membership and is recognized by the technical community as a prestigious honor and an important career achievement. Chiao was nominated by the IEEE’s Microwave Theory and Techniques Society (MTT-S) and will be formally inducted at the IEEE MTT-S International Microwave Symposium, to be held in Los Angeles, California, from June 21 – 26, 2020.

Chiao is currently a fellow of the International Society for Optics and Photonics. He is also the recipient of numerous awards, honors and recognitions, including the 2017 IEEE Region 5 Outstanding Individual Achievement Award; 2017-2019 IEEE Sensors Council Distinguished Lecturer; 2012-2014 IEEE Distinguished Microwave Lecturer; 2012 IEEE Region 5 Outstanding Engineering Educator Award; 2012 Heroes of Health Care Research in Medical Milestone Award; 2011 Lockheed Martin Aeronautics Company Excellence in Engineering Teaching Award; 2011 Tech Titans Technology Innovator Award; and the 2011 Edith and Peter O'Donnell Award in Engineering by The Academy of Medicine, Engineering and Science of Texas.

Over his career, Chiao has published and edited numerous peer-reviewed technical publications and holds 15 awarded patents. He is currently the editor-in-chief for the *IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology*. He was an associate editor for *Transactions on Microwave Theory and Techniques* and MTT-S technical committee chair for Microwave Biomedical Applications. He has served as a chair of several conferences, including the International Microwave Biomedical Conference and the IEEE International Wireless Symposium and will serve as a chair at the upcoming 2022 IEEE Sensors Conference to be held in Dallas.

Chiao has held 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 the 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 1996.

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About IEEE

The IEEE is the world's leading professional association for advancing technology for humanity. Through its 422,000 plus members in more than 160 countries, the association is a leading authority on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics. Dedicated to the advancement of technology, the IEEE publishes 30% of the world's literature in the electrical and electronics engineering and computer science fields, and has developed more than 1300 active industry standards. The association also sponsors or co-sponsors nearly 1700 international technical conferences each year. If you would like to learn more about IEEE or the IEEE Fellow Program, please visit www.ieee.org.

About the Lyle School of Engineering

SMU's 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; Electrical and Computer 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; the Linda and Mitch Hart Institute for Technology, Innovation and Entrepreneurship, combining the innovative forces of the Lyle School of Engineering and the Cox School of Business to integrate their expertise, resources and guidance to develop technology prototypes and create viable business plans; and the Hunter and Stephanie Hunt Institute for Engineering and Humanity, combining technological innovation with business expertise to address global poverty.