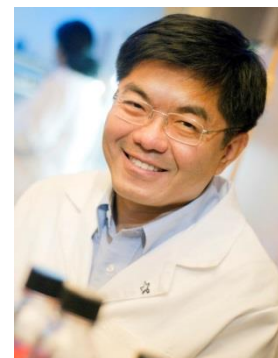


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Brief Introduction

J.-C. Chiao is Greene professor of Electrical Engineering at University of Texas – Arlington. He is also an affiliated professor at Bioengineering and Material Science and Engineering. He received his BS degree in Electrical Engineering at National Taiwan University; MS and PhD in Electrical Engineering at California Institute of Technology (Caltech). He was with Bell Communication Research (Bellcore), University of Hawaii-Manoa and Chorum Technologies before he joined UT-Arlington in 2002.

Dr. Chiao has published more than 260 peer-reviewed papers and received 12 patents. He received the 2011 O'Donnell Award in Engineering presented by The Academy of Medicine, Engineering and Science of Texas. He received the Tech Titan Technology Innovator Award; Lockheed Martin Aeronautics Excellence in Engineering Teaching Award; Research in Medicine milestone award by Heroes of Healthcare; IEEE MTT Distinguished Microwave Lecturer; IEEE Region 5 Outstanding Engineering Educator and individual Achievement awards. Currently, he is an SPIE Fellow, IEEE Sensors Council Distinguished Lecturer and serving as the Editor-in-Chief for Journal of Electromagnetics, RF and Microwaves in Medicine and Biology. His research work has been covered extensively by media including National Geographic magazine, CBS Innovation Nation, Washington Post and National Public Radio. His webpage is at <http://www.uta.edu/faculty/jcchiao/>

Publications(2017~2016)

2017

- “Cuff-Less and Continuous Blood Pressure Monitoring: A Methodological

Review," M. Sharma, K. Barbosa, V. Ho, D. Griggs, T. Ghirmai, S. K. Krishnan, T. K. Hsiai, J.-C. Chiao and H. Cao, MDPI Technologies, Vol. 5, No. 2, pp. 21-43, 2017. DOI 10.3390/technologies5020021

- "Endoscopically-Implantable Wireless Devices for Endoluminal Applications," J.-C. Chiao, IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, San Diego, CA. July 9-14 2017. DOI
- "A Novel Design to Power the micro-ECG Sensor Implanted in Adult Zebrafish," D. Schossow, P. Ritchie, J. Yang, X. Xu, J.-C. Chiao and H. Cao, IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, San Diego, CA. July 9-14 2017. DOI
- "Development of an Unobtrusive Patch to Acquire EEG in the Home Setting for Studies of Alzheimer's Disease," P. Ritchie, D. Schossow, V. Ho, M. Sharma, Y.-E. Ju, M. M. Lim, J.-C. Chiao and H. Cao, IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, San Diego, CA. July 9-14 2017. DOI
- "Non-invasive Home-Based Maternal-Fetal ECG Monitoring System," V. Ho, D. Schossow, P. Ritchie, M. Sharma, T. Ghirmai, D. Bustillos, M. Ezeonwu, S. Krishnan, M. P.H. Lau, J.-C. Chiao and H. Cao, IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, San Diego, CA. July 9-14 2017. DOI
- "Neuro-Feedback Anger Regulation: Findings from a Pilot Study and Implications for Social Work," A. Nordberg, S. Wang, K. Puk, J. Tommerdahl, Y.B. Peng, P. Lehmann, J.-C. Chiao, Annual Conference of the Society for Social Work and Research (SSWR), New Orleans, LA, January 11-15, 2017.

2016

- "Neural Network Based Real-time Heart Sound Monitor Using a Wireless Wearable Wrist Sensor," W. Shi and J.-C. Chiao, IEEE Dallas Circuits and Systems Conference, Arlington, TX, Oct. 10 2016. DOI
- "Contactless Hand Tremor Detector ," W. Shi and J.-C. Chiao, IEEE Dallas Circuits and Systems Conference, Arlington, TX, Oct. 10 2016. DOI
- "Lactate Sensors on Flexible Substrates," X. Yang

Editorials

- "Medical Applications of RF and Microwaves. Sensing, Monitoring and Diagnostics," J.-C. Chiao and D. Kissinger, IEEE Microwave Magazine, Vol. 16, No. 6, pp. 14-18, July 2015. DOI: 10.1109/MMM.2015.2419752
- "Medical Applications of RF and Microwaves. Sensing, Monitoring and Diagnostics," D. Kissinger and J.-C. Chiao, IEEE Microwave Magazine, Vol. 16, No. 4, pp. 34-38, May 2015. DOI: 10.1109/MMM.2015.2398593
- "Medical Applications of RF and Microwaves. Therapy and Safety," J.-C. Chiao and D. Kissinger, IEEE Microwave Magazine, Vol. 16, No. 2, pp. 12-13, March 2015. DOI: 10.1109/MMM.2014.2379071
- "Guest Editorial," X. Chen and J.-C. Chiao, IEEE Transactions on Microwave Theory and Techniques, Vol. 62, No. 9, pp. 1825, Oct. 2014. DOI: 10.1109/TMTT.2014.2343313
- "Guest Editorial," M. R. Tofighi and J.-C. Chiao, IEEE Transactions on Microwave Theory and Techniques, Vol. 61, No. 5, pp. 1977-1979, 2013. DOI: 10.1109/TMTT.2013.2255936