

Chih-Kuang Yeh, PhD

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Professor Chih-Kuang Yeh obtained his PhD degree in electrical engineering from National Taiwan University in 2004. In 2005, he joined the Department of Biomedical Engineering and Environmental Sciences at National Tsing Hua University (NTHU) in Taiwan. He has excelled in academics, teaching, and social services, respectively. Professor Yeh's research focuses on the application of ultrasound technology in the biomedical field, with a particular emphasis on three main areas: (1) acoustic vortex technology for advanced medical applications, (2) ultrasonic neuromodulation and sonogenetics of brain disorders, and (3) precision medicine applications of ultrasound. He has received numerous awards, including the Wu Dayou Memorial Award of the Science and Technology Council of Taiwan (NTSC) in 2010, the National Innovation Award twice (in 2011 and 2021), the Zhan Tianyou Annual Paper Award of Chinese Institute of Engineers in 2011, the Young Faculty Research Award of NTHU in 2008, the Outstanding Industry-University Research Award of NTHU in 2014, the Outstanding Teaching Award of NTHU three times (in 2012, 2015, and 2020), the Outstanding Research Award of NTSC in 2020, and the Future Science and Technology Award twice (in 2021 and 2022) of NTSC, to name a few. He currently holds the position of distinguished professor at NTHU, the International Academy of Medical and Biological Engineering fellow (IAMBE fellow 2023) and is a senior member of the IEEE Society as well as an editor for three SCI journals: Ultrasonics, Journal of Medical and Biological Engineering, and Quantitative Imaging in Medicine and Surgery. He has published over 156 papers and presented over 300 proceedings abstracts/papers at seminars and conferences. Professor Yeh has extensive experience in implementing industry-university collaborations and has obtained 19 patents. He founded two companies focused on ultrasound contrast agents (new drug) and catheter-based ultrasound (medical device) in 2013 and 2022, respectively.