Noncontact Vital Sign Detection Using Microwave Radar: From Theory, Circuits, to Applications in Biology and Medicine

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Biography:

Jenshan Lin received his Ph.D. degree in Electrical Engineering from the University of California at Los Angeles (UCLA) in 1994. He was with AT&T Bell Labs (which later became Lucent Bell Labs), Murray Hill, NJ, USA, from 1994 to 2001, and its spin-off Agere Systems from 2001 to 2003. Since July 2003, he has been with the University of Florida where he is a Professor in Electrical Engineering, and has graduated 20 Ph.D. students. He has authored or coauthored over 250 technical publications in refereed journals and conference proceedings, and holds 14 U.S. patents. His recent research interests are in sensors and biomedical applications of microwave and millimeter-wave technologies, and wireless energy transfer. Dr. Lin is a Fellow of IEEE. He has served on several committees in the IEEE Microwave Theory and Techniques Society. From 2006 to 2011, he was an elected member of the IEEE MTT-S Administrative Committee, where he served as the chair of Technical Coordinating Committee from 2010 to 2011. He was an Associate Editor of the IEEE Transactions on Microwave Theory and Techniques from 2006 to 2010, and is now serving as its Editor-in-Chief. He has been a member of several conference committees. He was the Chair of the 2008 RFIC Symposium, the Technical Program Chair of the 2009 Radio and Wireless Symposium, and the Co-Chair of the 2012 Asia–Pacific Microwave Conference. He received 1994 UCLA Outstanding Ph.D. Award, 1997 Eta Kappa Nu Outstanding Young Electrical Engineer Honorable Mention Award, 2007 IEEE MTT-S N. Walter Cox Award, and University of Florida Technology Innovator Awards in 2011, 2012, 2013, and 2014.