Profile

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Nipon Theera-Umpon received his B.Eng. (Hons.) degree from Chiang Mai University, Thailand, M.S. degree from University of Southern California, U.S.A., and Ph.D. degree from the University of Missouri-Columbia, U.S.A., all in electrical engineering. In 1993, he joined as a lecturer at the Department of Electrical Engineering, Chiang Mai University, where he is now a full-professor. He has served as editor, reviewer, general chair, technical chair and committee member for several journals and conferences. He has been bestowed several royal decorations and won several awards including National Outstanding Researcher Award (2026) and National Outstanding Government Official Award (2015), to name a few. He had served as the director of Biomedical Engineering Institute, Chiang Mai University, from 2017 to 2025. He was associate dean of Engineering, chairman for graduate study in electrical engineering, and chairman for graduate study in biomedical engineering. He is a member of Thai Robotics Society, Biomedical Engineering Society of Thailand, Council of Engineers in Thailand, and Engineering Institute of Thailand. He has served as Vice President of the Thailand Health Technology Association and the Thai Engineering in Medicine and Biology Society. Dr. Theera-Umpon is a senior member of the Institute of Electrical and Electronics Engineers (IEEE) and is a life member of the Asia-Pacific Signal and Information Processing Association (APSIPA) in which he is the Founding Chair of APSIPA Thailand Chapter. He has published more than 250 full research papers in international refereed publications and an additional handful of them in national publications. His textbooks in Thai language include Digital Signal and Image Processing: Theories and Applications, Advanced Digital Signal Processing, Digital Signal Processing in Telecommunications, etc. Whereas the textbook “Digital Signal and Image Processing: Theories and Applications” received The Outstanding Engineering Textbook Award 2022 from The Fund Management Committee for Education and Research in Engineering Under The Royal Patronage of His Royal Highness Crown Prince Maha Vajiralongkorn, Engineering Institute of Thailand Under H.M. The King’s Patronage. He was recognized as “World’s Top 2% Scientists” (Career-long citation impact in Artificial Intelligence & Image Processing) by Stanford University in 2025. His research interests include Pattern Recognition, Digital Image Processing, Artificial Intelligence, Neural Networks, Fuzzy Sets and Systems, Machine Learning, Big Data Analysis, Data Mining, Medical Signal and Image Processing.