

Foreword about Assistant Professor Dinh-Thuan Do, Assistant Professor, Department of Computer Science and Information Engineering, College of Information and Electrical Engineering, Asia University, Taichung city, Taiwan:

Dinh-Thuan Do (Senior Member, IEEE) received the M. Eng., and Ph.D. degrees from Vietnam National University (VNU-HCMC) in 2007, and 2013, respectively, all in communications engineering. Prior to joining Asia University (Taiwan), he was a Research Assistant Professor at Ton Duc Thang University, and Industrial University of Ho Chi Minh City (Vietnam). His research interests include signal processing in wireless communications networks, non-orthogonal multiple access, full-duplex transmission, and reconfigurable intelligent surfaces (RIS). Dr. Thuan was a recipient of Golden Globe Award from Vietnam Ministry of Science and Technology in 2015 (Top ten excellent scientist nationwide). He is currently serving as an Editor of Computer Communications (Elsevier), an Associate Editor of Eurasip Journal on Wireless Communications and Networking (Springer), an Associate Editor of Electronics, an Associate Editor of ICT Express and an Editor of KSII Transactions on Internet and Information Systems. He was a Lead Guest Editor of the Special Issue "Recent Advances for 5G: Emerging Scheme of NOMA in Cognitive Radio and Satellite Communications" in Electronics in 2019; Guest Editor of the Special Issue on "Power Domain Based Multiple Access Techniques in Sensor Networks," International Journal of Distributed Sensor Networks (IJDSN) in 2020 and a Guest Editor of the Special Issue on "UAV-enabled B5G/6G Networks: Emerging Trends and Challenges" in Physical Communication (Elsevier) in 2020; Guest Editor: Special Issue on "Advanced Machine Learning for Future Internet of Things of 5G Networks", International Journal of Distributed Sensor Networks (IJDSN), 2021; Lead Guest Editor of the Special Issue on "Enabling Reconfigurable Intelligent Surfaces (RIS) for 6G Cellular Networks", Electronics in 2021. His publications include over 100 SCIE/SCI-indexed journal articles, and over 40 international conference papers. He is sole author in one textbook, one edited book and six book chapters.



Dinh-Thuan Do

Dear readers,

It is a great chance for me to share my thoughts about the Advances in Electrical and Electronic Engineering journal which is currently attracting lots of good publications introducing wide ranges of useful topics. My colleagues and I want to contribute to sustainable development of the journal and to further increase visibility of our research results which only enrich significantly once it can be shared to larger community of researcher/scholar/students. Based on my experiences, emerging topics could be targets of most of faculty and students. Therefore, our journal will retain high quality of publications which depend on the strict review process and rigorous comments from teams of Editors as well as Reviewers.

Since I experienced several years in telecommunication industry, I have realized that more applications at next generations of wireless communication may be addressed by exploring promising technology in wireless communication. Such wonderful expectation in developing high-tech communication engineering motivated me to be a founder of a research group hosted at Ton Duc Thang University, Industrial University of Ho Chi Minh City (Vietnam), Asia University (Taiwan). My students and I have developed lots of system models along with system performance metrics in prominent techniques such as multi-antenna communication, Unmanned Aerial Vehicles (UAVs), Non-Orthogonal Multiple Access (NOMA), cognitive radio communications, Physical Layer Security (PLS), massive antennas system, and Simultaneous Wireless Information and Power Transfer (SWIPT). Furthermore, I continue to pursue challenging topics of federated learning approaches applied to cellular systems with colleagues at The University of Texas at Austin (USA). In these topics, I just want to mention necessary discussions on Reconfigurable Intelligent Surface (RIS)-aided communication which is recognized as an exciting research topic in academic and industrial communities recently. RIS certainly provides more benefits for current systems with lower cost and higher energy efficiency. As main advance, the deployment of RIS in multi-user wireless networks promises to designs of small size, lightweight devices in Internet-of-Things (IoT) systems and to actively shape the variations of wireless propagation environment for vehicle-to-everything (V2X) systems. We hope to attract more papers submitting to the Advances in Electrical and Electronic Engineering journal, for example challenges in RIS-aided systems need be considered, such as phase optimization, perfect beam selection, improved outage performance as well as network secrecy performance.

In conclusion, I am convinced that this Advances in Electrical and Electronic Engineering journal can become a leading journal in which we share and learn up-to-date knowledge from larger community of scholars over the world.