The 2017 Asia Pacific Microwave Conference (APMC 2017) was held in Kuala Lumpur, Malaysia on November 13-16, 2017. The conference was sponsored by the IEEE Microwave Theory and Techniques Society (MTT-S), organized by the Malaysian IEEE AP/MTT/EMC Joint Chapter, and technically co-sponsored by the European Microwave Association and the IEEE Antennas and Propagation Society (AP-S). Out of ~537 papers submitted, ~360 papers were accepted for presentation in the conference and publication in the 2017 APMC proceedings. These papers have also been published online on the IEEE Xplore website. The technical program involved 430 authors coming from 40 different countries.

This Special Issue re-starts the tradition of publishing extended papers of the Asia Pacific Microwave Conference in this Transactions. The submissions, open to all authors of presented papers, were due on January 15, 2018. A total of 20 papers was submitted. The submitted extended papers went through the same peer-review process as regular submissions to this Transactions. After being carefully reviewed, 7 papers were accepted for publication.

The editorial process for this Transactions' Special Issue was handled by the Guest Editor Professor Anh-Vu Pham, who worked with the Editor-in Chief and the Associate Editor responsible for the regular issues of this Transactions. This policy ensured that all the papers presented in this Special Issue were evaluated, not only using the same process as regular issue papers, but also under the same Editorial Review Board as any other regular issue paper.

I would like to thank the authors for submitting and refining their manuscripts, the reviewers for their time and effort to carefully review the papers. I would like to thank Prof. José Carlos Pedro, IEEE Transactions on Microwave Theory and Techniques Editor-in-Chief, and Prof. Kamran Ghorbani, Associate Editor, for their guidance and support of this Special Issue. Finally, I hope that future APMC's and their authors would continue the tradition of publishing extended conference papers in this Transactions.

Anh-Vu Pham, Guest Editor
Department of Electrical and Computer Engineering
University of California, Davis
Davis, CA 95618

Anh-Vu Pham (SM'03) received the B.E.E. (with highest honors), M.S., and Ph.D. degrees in electrical engineering from the Georgia Institute of Technology, Atlanta, in 1995, 1997, and 1999, respectively. Anh-Vu joined the University of California at Davis in 2002 as an Assistant Professor and was promoted to full Professor in 2008. From 1999 to 2002, he was an Assistant Professor at Clemson University. Anh-Vu is conducting research in microwave and millimeter wave integrated circuit design, power amplifiers, electronic packaging, sensors, energy harvesting and phased array antennas. His research has been supported by DARPA, NSF, ONR, AFRL and numerous companies. He has published ~180 peer-reviewed papers, several book chapters, and two books. Anh-Vu served as

the Chair of IEEE Microwave Theory and Techniques (MTT) Technical Coordinate Committee on Microwave and Millimeter Packaging (2003-2006), and Chair of IEEE International Microwave Symposium Technical Committee on Power Amplifiers and Integrated Devices. He received the National Science Foundation CAREER Award in 2001 and the 2008 Outstanding Young Engineer Award from the IEEE Microwave Theory and Techniques Society. He was a Microwave Distinguished Lecturer of the IEEE MTT for the term 2010-2012. He was the Co-Chair of the Technical Program Committee for the IEEE International Microwave Symposium in San Francisco, 2016 and is the Co-Chair of the Technical Program Committee for the IEEE Asia Pacific Microwave Conference. Anh-Vu is currently a co-director of the Davis Millimeter Wave Research Center. In 1997, Anh-Vu co-founded RF Solutions, a fabless semiconductor company providing power amplifiers and RFICs for WiFi applications. RF Solutions was acquired by Anadigics in 2003. In 2008, he co-founded and served as the CTO of Planarmag, Inc which was acquired by TE Connectivity in 2010.