UPDATE FROM THE EDITOR-IN-CHIEF

elcome to the September 2020 edition of the *IEEE Communications Standards Magazine*. It's my pleasure to introduce our newly appointed Associate Editorin-Chief, Dr. Carlos Cordeiro. Carlos has been working in the wireless industry for many years with tremendous experience in standardization of wireless technologies, at both IEEE and the Wi-Fi Alliance. Welcome aboard, Carlos!

We have stepped up efforts to bring in more feature topics as special issues. As of now, the following four topics listed in the table below have been scheduled in 2021. The detailed call for papers can be found at https://www.comsoc.org/publications/magazines/ieee-communications-standards-magazine/cfp

In this edition, eight full papers are included from three feature topics: ITU Kaleidoscope, Wireless and Radio Communications, and Management and Orchestration. An editorial from the editors of each topic is presented with a summary of the articles.

In the commentary column, three interesting commentary articles are presented, one from the IEEE Standards Association (SA) and the other two from the Industry, i.e., the Internet Research Task Force (IRTF) and the 3GPP respectively. The former, written by Robert S. Fish, the President of IEEE SA, addresses the topic of universal broadband services. It elaborates three axes encompassing the topics, i.e., physical infrastructure, economics, and necessity, together with the impact of the current Covid-19 pandemic. It concludes that IEEE has an important role to play to see universal services come true. The IRTF commentary is authored by Wojciech

Paper Topic	Submission Deadline	Publication Date
Ultra-Low Latency and Reliable Communications for 6G Networks	15 October 2020	June 2021
Emerging Security Technologies for 6G	30 November 2020	June 2021
Security and Privacy	31 December 2020	September 2021
Drone Networking	31 December 2020	September 2021



Zander Lei

Kozlowski and Rodney Van Meter, Quantum Internet Research Group (QIRG) Co-chairs. It provides a good overview on Quantum Internet (QI) and clears up doubts of many on the questions: what QI is, what its tasks are, and what can be done in the standards group etc. It reports that two Internet-Drafts related to use cases and the QI architecture are being developed. The 3GPP commentary is contributed by Devaki Chandramouli, the Rapporteur for Industrial IoT of 3GPP. It elaborates the 5G standards and features being developed in Release 16 and enhancements in the making in Release 17 that are supportive for Industry 4.0. They include, but are not limited to, 5G

Time Sensitive Communications, 5G Non-Public Network, and 5G LAN-type Service.

In the Standards News column, various activities and topics in different standards development organizations are updated, e.g., Time-Sensitive Networking in IEEE 802.1, telecommunication management in ITU-T Study Group 2 (SG2), Internet of Things (IoT) and Smart Cities in the ITU-T SG20, IoT in oneM2M, Policy, Quality of Service (QoS) and Charging control in the 3GPP Core Network and Terminal Working Group (CT3).

I would like to thank all the authors for submitting their papers to *IEEE Communications Standards Magazine*, and the peer reviewers who spent their valuable time in the review work. Joseph Milizzo and Jennifer Porcello on the Communications Society staff have been limitless in their support of this publication. Glenn Parsons (the Founding EIC) has been helping pull together articles for the Commentary section.

BIOGRAPHY

ZANDER LEI (lei.zhongding@huawei.com) is a senior researcher at Shield Lab, Huawei Singapore Research Center. He has been working on 5G security for 3GPP networks since 2016. Prior to joining Huawei, he had been a Lab Head and senior scientist with the Agency for Science, Technology, and Research (A-STAR) of Singapore, doing research and participating in standardization activities on/for various aspects in wireless systems and networks. He was the Associate Editor-in-Chief of IEEE Communications Standards Magazine from 2017 to 2019, the Chair/Co-Chair and Chief Editor for the Task Forces developing Singapore Standards on IoT and ITS respectively, from 2014 to 2018, the Vice Chair of IEEE 802.11ah Task Group from 2014 to 2016, and PHY technical editor of the IEEE 802.22 Working Group from 2006.

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SUBMISSIONS: The magazine welcomes tutorial or survey articles that span the breadth of communications. Submissions will normally be approximately 4500 words, with few mathematical formulas, accompanied by up to six figures and/or tables, with up to ten carefully selected references. Electronic submissions are preferred and should be submitted through Manuscript Central: http://mc.manuscriptcentral.com/m-comstd. Submission instructions can be found at the following: http://www.comsoc.org/publications/magazines/ieee-communications-standards-magazine/paper-submission-guidelines. All submissions will be peer reviewed. For further information contact Associate Editor-in-Chief, Carlos Cordeiro@intel.com).