Editorial from the Editor-in-Chief

In past decades, sensor networks have attracted broad interests from both industry and academia. *ACM Transactions on Sensor Networks (TOSN)* is the flagship ACM journal in the area of sensor networks. Researchers are willing to share their theory, system, and milestone works in *TOSN*, and in turn, this high-quality work will attract more people to our research community. My first three-year term as *TOSN* Editor-in-Chief began in December 2017, and it is my honor to now serve a second term.

Over the past several years, we have witnessed new research trends toward edge/mobile computing, Artificial Intelligence-of-Things (AIoT), and Internet-of-Things (IoT) security/privacy. These topics extend sensor networks' general goals of a broader scope within the emerging areas of advanced communication technologies, computation platforms, and sensing methods. To further enhance the impact of *TOSN* in our research community, I am planning to focus on the following four areas:

- (1) *Clarify the scope.* *TOSN* focuses not only on the wireless sensor networks but also on broad research topics, including AIoT, edge/mobile computing, and IoT security/privacy. As some of these directions have only emerged in recent years, to make the research community fully understand the changes, I will encourage some survey papers and tutorials, as well as primitive research attempts toward these new directions. Moreover, I intend to establish special issues to cover specific topics every year.
- (2) *Enhance outreach.* I would like to attract more submissions across diverse research areas, for example, by soliciting high-quality papers from prestigious conferences (e.g., Sensys, IPSN, Mobicom, and MobiSys). Moreover, I will extend the approach and scale of *TOSN* promotion by cooperating with our associate editors (AEs) to invite more high-quality submissions.
- (3) *Increase visibility.* I would like to cooperate with the program committee of prestigious conferences (e.g., Sensys and IPSN) where selected *TOSN* papers can be presented. Additionally, I will encourage the authors to expand their conference papers into journal articles.
- (4) *Smooth the review process.* Our editorial board should be growing continually to refine the speed and quality of review process. To support the increasing number of submissions, I will solicit additional experienced AEs to ensure a smooth review process. Together with our existing AEs, the diverse expertise of these AEs will completely match the extended scope of *TOSN*.

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I believe we will achieve success with the continuous support from and effort of researchers in both academia and industry, as well as our AEs and staff members. I am looking forward to hearing your suggestions and thoughts for this journal.

Yunhao Liu
Editor-in-Chief