

# UPDATES ON IoT MAGAZINE AND THE EDITORIAL BOARD

I joined the *IoT Magazine* Editorial Board as Editor-in-Chief at the beginning of this year. It is my great pleasure to serve along with an outstanding Editorial Board and publication staff members. *IoT Magazine* is relatively a young magazine, only started in September 2018, but it already has had a significant impact; there were over 38,000 IEEE Xplore downloads in 2020. Our goal is to improve the impact further to the next level. We have made significant changes this year to the publication and Editorial Board as discussed below.

IoT touches almost everything in the world that can be connected. The scope and coverage are very vast. I believe it would be beneficial to bucket all the various IoT fields into a few main vertical areas. One major change we have made recently for manuscript submissions is to open four IoT Vertical Areas, namely: (i) Smart-City, to cover intelligent home, environmental and building monitoring, parking, etc.; (ii) Industrial-IoT, to cover smart factory/manufacturing, connected robots, enterprise, smart-agriculture, etc.; (iii) Connected-Vehicles, to cover all moving IoT things; and (iv) Connected-IoT-Services, to cover health care, eLearning, AR/VR, etc. We have also identified outstanding Vertical Area editors for these areas except for the Connected-IoT-Services area, for which the Associate Editor-in-Chief is currently acting as the vertical area editor until we find a suitable candidate. We encourage authors to submit their articles to one of these vertical areas. However, they can submit articles to the "General Open Call for Articles" category if (i) their topic does not belong to any of the four vertical areas, or (ii) there is too much overlap into more than one vertical area topic and it is not very straightforward to pick one of the four vertical areas. One of the main benefits of categorizing the articles into multiple vertical areas is to better help the readers find articles in their areas of interest. We expect to have articles published in these vertical areas starting with the next few issues.

In the past, we had one Special Issue topic in every issue (note we have four issues per year). Due to the enormous interest in the Special Issues, we have increased the number of Special Issue topics to up to two per issue. We expect to have two Special Issue topics per issue starting in 2022. This year we had "IoT and the Environment" and "Internet of Medical Things in the Context of COVID-19" Special Issues in the March 2021 and June 2021 issues, respectively. In this issue, we have the "Internet of Things for E-Health Applications" Special Issue. After extensive reviews, we have accepted 11 high quality articles from 50 submissions. We also have six articles from the open call and a column on IoT Standards in this issue. We will have a Special Issue on "Internet-of-Drones: Novel Applications, Recent Deployments and Integration" in our next issue in December 2021; submissions are now closed for that Special Issue.



Rath Vannithamby

For the March 2022 issue, we have two Special Issue topics: "Secure Communications over The Internet of Artificially Intelligent Things" and "An End-to-End Machine Learning Perspective on Industrial IoT". Submissions for those Special Issues are open, but the deadlines are approaching soon. For the June 2022 issue, we have two Special Issue topics: "Deep Learning Assisted Visual IoT Technologies for Critical Infrastructure Protection" and "Recent Advances in Ambient Intelligence for IoT Applications and Services". We invite authors to submit unpublished high-quality articles for these Special Issues or Vertical IoT Areas.

We invite new Special Issue proposals in emerging areas for future issues. The guidelines for proposing Special Issues can be found in the *IoT Magazine* website. Our goal is to bring outstanding tutorial style articles in interesting and emerging IoT topics to the readers.

We have reorganized the Editorial Board this year. We have retired 20 editors as their terms ended and recruited 20 new editors. We are proud to mention that about 50 percent of our new editors are female and about 50 percent of editors are from industry. We have also established a Steering Committee consisting of four members, all of whom are Editors-in-Chief of other IEEE journals published by the Communications Society and Signal Processing Society. The steering committee consists of 25 percent female and 25 percent from industry. Involving industry members and diversifying the Editorial Board are some of our goals.

In closing, I would like to thank all of our readers and authors for their interest in *IoT Magazine*, and our guest editors for Special Issue topics, associate editors, column editors, Steering Committee members, Associate Editor-in-Chief, and the publication staff for their hard work and dedication to *IoT Magazine*.

### BIOGRAPHY

RATH VANNITHAMBY received his BS, MS, and PhD degrees in EE from the University of Toronto, Canada. He is a senior research scientist in Intel Labs, Intel Corporation, USA responsible for next gen wireless systems research. He is a three times recipient of Intel Top Inventor award, in 2015, 2017 and 2019. Previously, he was a researcher at Ericsson, USA. He is an IEEE Fellow. He was an IEEE Communications Society Distinguished Lecturer during 2014-2017. He has published over 70 journal/conference papers and has over 300 patents granted/pending. He is an editor of three books on 5G. Dr. Vannithamby is currently the Editor-in-Chief for IEEE IoT Magazine. He has served as an associate editor for Journal of IEEE Communications Surveys and Tutorials and IEEE IoT Journal in the past. He is currently serving as a member of the board of directors for IEEE ComSoc Magazine Board, and Industrial Community Board. He has co-chaired several workshops on 5G and IoT in IEEE ICC and Globecom conferences. He has given tutorials and hosted panels on 3G/4G/5G topics in numerous venues in IEEE conferences. His research interests are in the area of Next Gen wireless systems including cellular and WiFi evolutions, IoT, Joint computer-communication resource allocation and Edge networking.

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**SUBMISSIONS:** The magazine welcomes tutorial or survey articles that span the breadth of IoT technologies and applications. Submissions will normally be approximately 4500 words, with no or few mathematical formulas, accompanied by up to six figures and/or tables, with up to 15 carefully selected references. Electronic submissions are preferred and should be submitted through Manuscript Central: <https://mc.manuscriptcentral.com/iotmag>. All submissions will be peer reviewed. Submission instructions can be found at the following: <https://www.comsoc.org/publications/magazines/ieee-internet-things-magazine/article-submission-guidelines>.