

A New Era of Internet Computing is Coming

George Pallis

University of Cyprus

■ **IT HAS BEEN** a privilege and honor for me to have been elected as the incoming Editor-in-Chief (EIC) of the IEEE Internet Computing Magazine (IC), and I am deeply grateful for this unique opportunity to contribute to and serve the Internet computing community for the next three years. Starting my term as EIC, I would like to express my gratitude to Prof. Brian Blake for his four years of outstanding service as EIC. Brian was an amazing mentor and I have learnt a lot while serving as an Associate EIC the previous years. Brian will be an inspiration and a constant guide in my efforts towards achieving further success of IEEE IC. I am also thankful to the selection committee for their confidence in me. I would like to welcome Prof. Elena Ferrari from the University of Insubria, who accepted my invitation to become one of our new Associate EICs. Her research interests are related to various aspects of data management, including access control, privacy and trust, social networks, secure cloud computing, and emergency management.

In the history of IEEE IC, each EIC has faced significant challenges. Today's IEEE IC magazine is a prestigious publication with a strong editorial board. My goal is to continue the great work that

has been done by the previous EICs, by enhancing the magazine's quality, improving its reputation and updating its scope. IEEE IC is a unique magazine and should continue to serve as a leading venue to present the latest developments in the Internet Computing research community.

A challenge particular to IEEE IC among the other computer science magazines is that the field of Internet Computing is multidisciplinary by nature involving many subject areas. IEEE IC's scope was originally planned to provide a journal-quality evaluation and review of Internet-based computer applications and enabling technologies that allow practitioners to leverage off services to be found on the Internet. But as research work has advanced in the past years, the field has grown far beyond anyone's expectations. According to International Data Corporation, the digital universe doubles every two years. Based on current projections, it is expected to reach 44 trillion gigabytes in 2020. According to the Cisco Systems, Internet traffic is also projected to enter the multizettabyte range by 2022. Also, it is expected that in five years, 4.8 billion people (60% of the global population), will use the Internet, up from 3.4 billion in 2017. Undoubtedly, a new era of Internet Computing is coming. New emerging technologies will appear towards addressing these challenges and providing new services. IEEE IC aspires to play a significant role to this era by advancing the scientific understanding in the field of Internet Computing.

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In this ecosystem, the key challenge for the IEEE IC editorial board is to try to keep the magazine as one of the top magazines in the area of Internet technologies; if we succeed this, authors will continue to submit their most influential works in IEEE IC and the reviewers will continue to provide high quality and fruitful reviews. Thus, it is important to find ways to further increase the readership of the magazine. To achieve this, I will work with AEICs and the Associate Editors to deliver special issues in topics which can target high quality submissions and generate significant impact. The editorial board is committed to the prompt evaluation and publication of submitted articles while upholding high standards. I will also try to collaborate with the top conferences related to IEEE IC. Specifically, I will explore arrangements to have the best papers from those conferences be fast-tracked for review and publication in IEEE IC. I am also planning to explore mechanisms so as to encourage authors to publish their data sets and source code (if possible) as supplements to their manuscripts, archived in the IEEE Computer Society Digital Library. Last, IEEE has

recently launched a LaTeX template for our authors. Taking into account that LaTeX is associated with academic publishing, this is a positive development.

The year 2019 seems to be an amazing year for IEEE IC. The first issue is devoted to explore the role of Internet Computing for smart cities, since smart city initiatives are growing across the globe and are shifting from initial pilots to more wide-scale deployments. I would like to thank B. Leiba and M. van Steen who edited this special issue.

I am looking forward to a productive term and working closely with all the Internet Computing research community so as to promote further growth and success of IEEE IC magazine. If you have any ideas for new tracks and special issues, please contact me at gpallis@cs.ucy.ac.cy.

George Pallis is an Assistant Professor in Computer Science with the University of Cyprus, Nicosia, Cyprus. His research interests include distributed systems, cloud computing, and Big Data analytics. He received the Ph.D. degree in computer science from the Aristotle University of Thessaloniki, Thessaloniki, Greece. Contact him at gpallis@cs.ucy.ac.cy.