PRESIDENT'S MESSAGE

Cristina Olaverri-Monreal

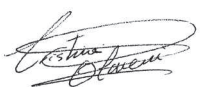
Blockchain-Based Intelligent Transportation Systems: The Human Use of Cyberphysical–Social Transportation Systems

The interconnected objects, infrastructure, and data that form the base of cyberphysical systems use a broad range of electronic technologies to improve the usage of civil infrastructure and make transportation systems safe, efficient, reliable, and environmentally friendly. These existing relationships have established a strong relevance for potential future developments in automation and data exchange in the field of intelligent transportation systems (ITS). Collaborative platforms to acquire data; advanced driver assistance systems; or other tools, such as simulation platforms with connectivity and automation capabilities, are examples of the possibilities for the systemic coverage of many aspects of the automotive, transport, and mobility system, and they make it possible to address interdisciplinary holistic problems that include aspects from social sciences, transport, planning, robotics, and communication technologies.

The latest scientific advances in these exciting areas will be discussed during the 25th IEEE International Conference on Intelligent Transportation Systems (IEEE ITSC 2022), an annual flagship conference of the IEEE Intelligent Transportation Systems Society (ITSS). ITSC 2022 received a total of 1,262 paper submissions from 45 countries, of which 636 will be presented. Moreover, 45 special session proposals and 25 workshop/tutorial proposals add to the conference's offerings and will consist not only of articles conveying new advances and developments in theory, modeling, simulation, testing, case studies, and large-scale deployment but also of recent research work, findings, perspectives, and developments related to advanced blockchain-based ITS.

In support of the topic of interconnected objects that target an environmentally friendly transport, the ITSS has connected with the IEEE TAB Climate Change Program and the extraordinary declaration that the IEEE Board of Directors issued in November 2019 to contribute to the urgent need to achieve net-zero emissions. The goal of these programs is to create frameworks that foster global cooperation within and across disciplines by developing and promoting technically feasible and economically viable solutions to sustainability. I am confident that together we will make progress on this important issue through the continued dedication of all our members. Please accept my continued gratitude of your support and contributions to the field of ITS.

Sincerely,



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President IEEE ITSS

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