PALESTRA

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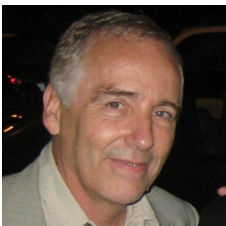GRUPO DE TELEINFORMÁTICA E AUTOMAÇÃO

The Future of 6G
Dia 12/08/2020 das 12:00 às 14:00 horas - Online

Advances in mobile communications will bring to reality several technologies that were hitherto utopic. Changing network paradigms, such as the introduction of network function virtualization, lead to more intelligence, security and flexibility to mobile networks. The network function virtualization (NFV) uses virtual machines to control the network, facilitating scalability and control, since the manipulation of virtual devices is faster and simpler compared to hardware. With more devices connected to the Internet and connections with wider bands, we can have fully automatic cars interacting with each other and with manufacturers, sharing data at all times. The digital twins, simulations made for monitoring the behavior of a real system to predict and understand, for example, aircraft engines will be present in industries, made possible by advances in the sixth generation of mobile networks. Equipment such as drones, which are difficult to operate, especially in groups, and produce large volumes of data, will also become more present and useful, since they will have greater communication between each device, as well as with the command base.

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GGuy Pujolle is a computer science professor at Pierre et Marie Curie University - Paris 6 during 1981-1993 and from 2000 to the present day, a member of The Royal Physiographical Academy of Lund, Sweden, and a distinguished Visiting professor at UFRJ (University Federal of Rio de Janeiro) from 2013. Before, he was a distinguished professor at the Division of IT Convergence Engineering of POSTECH, the Pohang University of Science and Technology, Korea, from 2011 to 2013. He was appointed by the Education Ministry to found the Department of Computer Science at the University of Versailles, where he spent the period 1994-2000 as Professor and Head. He was Head of the MASI Laboratory, University Pierre et Marie Curie, 1983-1993, Professor at ENST (Ecole Nationale Supérieure des Télécommunications), 1979-1981, and member of the scientific staff of INRIA (Institut National de la Recherche en Informatique et Automatique), 1974-19799.

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