

Palestras da ComSoc

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Mobile Networks: traffic scenarios explained

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ABSTRACT

The use of mobile phones is widespread nowadays. As users, we are aware of a big variety of both voice and data services provided by mobile networks. However, we do not have a clear idea about how the network manages to provide them. How can the network localize a mobile phone? How is the portability service done? How can the network provide localization-based services? How does the roaming work? Situated with a point of view from the core network side of mobile networks, this talk focuses on giving insights to these questions.

BIO

Gabriel Maciá Fernández is assistant professor in the department of Signal Theory, Telematic and Communications of the University of Granada. He is also a member of the research group on Signal Theory, Telematic and Communication (GSTC). He received his M.S degree in telecommunications engineering from the University of Seville (Spain), in 1998. After that, his professional activities were developed in some technological companies (Enditel - Endesa, Vodafone S.A), where he worked for 7 years. He joined the University of Granada in 2005, and received a Ph.D. in telecommunications engineering from that university in 2007, with the thesis titled "Low-rate Denial of Service Attacks against servers". Currently, his research activities are focused in the field of the security in communication networks, with an special emphasis in attacks generation methods, denial of service, and intrusion detection systems.