

Palestras da ComSoc

INESC-ID Distinguished Lecture Series

Terça-feira, 21 de Maio de 2013, 18h00
Centro de Congressos, Pavilhão de Civil, IST, Lisboa

An integrated view on future information and communication networks and services

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RESUMO

The talk first presents a vision on future information and communication services and related requirements and challenges. It then shows a - unified - view on major trends enabling the presented services' evolution, including better integrated cloud and networking solutions, future content distribution systems, Internet of Things, Big Data, as well more futuristic concepts, like nano-devices and nano-networks. Finally, to illustrate possible applications, a focus is given on the impact of evolved ICT solutions in future "energy services" and on the required evolution of the control plane of smart grids.

BIO

Daniel Kofman is a Professor at Telecom ParisTech (ENST), and a Co-Founder and Director of LINCS, a joint research centre on Future Communication Networks, Systems and Services, financed by INRIA, Institut Mines-Telecom, Université Pierre et Marie Curie, and Alcatel-Lucent, and sponsored by several other organizations (75 researchers and experts from industry and academia, collocated in the same premises). He is a RAD Data Communications Fellow / Strategic Advisor, former corporate CTO and member of the Corporate Strategy Committee (CEO, VPs and CTO). He is also a co-founder and Chairman of the Steering Board of the European Network of Excellence "Euro-NGI" (59 partners from academy and industry from 18 countries, more than 200 researchers) and of its successors Euro-FGI and Euro-NF. He is a member of the Scientific Committee of the French Parliament (24 members covering all the scientific domains), and an advisor and expert for various national and international companies and institutions (European Commission, CSTI – Centre d'Analyses Stratégiques - French Government, etc.). He is also a co-founder of a technological start-up.