IEEE COMMUNICATIONS SOCIETY

IEEE
Vehicular Technology/Communications Society joint Chapter Italy Section

AVVISO DI DISTINGUISHED LECTURER TOUR

Nell'ambito del programma ***Distinguished Lecturer*** della ***IEEE Communication Society*** e delle manifestazioni culturali del ***IEEE Vehicular Technology/Communications Society joint Chapter Italy Section,*** il Dr. **George Chrisikos** responsabile dello sviluppo di tecnologie avanzate in Qualcomm Inc., USA, terrà una conferenza dal titolo:

Towards Next Generation Heterogeneous Networks

in tre città Italiane secondo il seguente calendario:

Quando	Dove
23 luglio 2012 alle **ore 11.00**	**aula Archimede** Edificio Didattica della Facoltà di Ingegneria dell'Università di Roma Tor Vergata, Via del Politecnico 1, 00133 Roma (**contatto**: Ing. Marco Vari <marco.vari@uniroma2.it>)
25 luglio 2012 alle **ore 11.00**	**aula caminetto** della Facoltà di Ingegneria dell'Università di Firenze, Via di Santa Marta 3, 50139, Firenze (**contatto**: Dr. Lorenzo Mucchi <lorenzo.mucchi@unifi.it>)
26 luglio 2012 alle **ore 11.00**	**aula 5.5** Facoltà di Ingegneria dell'Università di Bologna, V.le Risorgimento 2, Bologna (**contatti**: Prof. M. Chiani <marco.chiani@unibo.it> and Dr. A. Conti <a.conti@ieee.org>)

La S.V. è gentilmente invitata a partecipare. Inoltre è gradita la diffusione di questo invito a chiunque possa essere interessato alla manifestazione.

Dr. Dajana Cassioli
CHAIR dell' IEEE VT06/COM19 ITALY CHAPTER

Sommario: Future wireless networks are experiencing exponential growth in traffic due to the proliferation of data-intensive applications. To support this growth, wireless networks are increasingly employing heterogeneous radio access technologies and different types of deployment methodologies. These methodologies include macro, micro, pico, and femtocells, as well as ad-hoc, device-to-device, peer-to-peer, and cognitive radio networks in licensed and unlicensed bands. Traffic optimization and spectrum allocation techniques such as WiFi offload and carrier aggregation are also in development for capacity and data rate enhancements. In addition, multiple-input multiple-output (MIMO) techniques are a key technology component for these current and future wireless networks. Besides its substantial gain in point-to-point communications, MIMO technology has a greater potential in multi-user networks by exploiting spatial and multi-user diversity. In this talk, we will discuss recent advances in network and terminal solutions to address these challenges.

Curriculum del dott. George Chrisikos. George Chrisikos is responsible for advanced technology development at Qualcomm Inc. He has been working in the research, design, and development of communication systems and algorithms for wireless, satellite, and wireline applications, and has been responsible for the design of semiconductor chipsets such as CDMA and WLAN, advanced satellite systems for commercial and government sectors, and led the product development for an RF/baseband design-suite. He is involved with IEEE, 3GPP, 3GPP2, GNSS, and broadcast standards.
Dr. Chrisikos is a Fellow of the IEEE, and an IEEE Distinguished Lecturer. He has been an invited speaker at various corporations and conferences worldwide, has authored a number of patents, published papers in international journals and conferences, contributed to textbooks, and has chaired a number of IEEE conferences. He received the Ph.D. in Electrical Engineering from the University of Southern California (USC).

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