



UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II
Dipartimento di Informatica e Sistemistica
Polo delle Scienze e delle Tecnologie

AVVISO DI SEMINARIO

Dr. Roger Karrer

Deutsche Telekom Laboratories, Berlin, Germany

Mercoledì 18 Luglio 2007, alle ore 11:30, nella sala riunioni DIS al IV piano della palazzina DIS-DIEL-DIET (via Claudio 21), il Dr. Roger Karrer dei Deutsche Telekom Laboratories di Berlino (Germania), terrà un seminario nell'ambito del Corso di Dottorato di Ricerca in Ingegneria Informatica e Automatica – Scuola di Dottorato in Ingegneria dell'Informazione, dal titolo:

Magnets: towards ubiquitous high-speed Internet access

Abstract

WiFi mesh networks promise a realization of the long-standing vision of ubiquitous high-speed Internet access. This talk presents Magnets, a wireless mesh network currently under deploying at the Technical University of Berlin. The objectives of Magnets are to understand how to build high-capacity meshes, to experimentally assess their potential and limitations, and to understand user behaviour. It will be presented the design of Magnets and initial performance results, with particular focus on its Wi-Fi backbone.

Finally, to provide a broader view on the research of Dr. Karrer, a novel solution to protect networks from DDoS attacks and a brief overview of the research towards a clean slate Internet will be presented.

Short biography

Dr. Roger Karrer is a Senior Research Scientist at the Deutsche Telekom Laboratories in Berlin. He got his Ph.D. in Computer Science in 2002 from ETH Zurich. After 2 years as a PostDoc at Rice University in Houston, he joined the T-Labs in 2005. His research interests include wireless mesh networks, security in networks, network protocols and architectures and multimedia streaming.