

Giuseppe Bianchi

CAPSULE INTRODUCTION

SNU CSE DISTINGUISHED LECTURE SERIES

Giuseppe Bianchi 교수는 WLAN 802.11 network를 포함하여 다양한 분야에서 100편 이상의 international journals 과 conferences 논문을 발표한 네트워크 분야 대가이다. 특히 JSAC에 발표되었던 IEEE802.11 WLAN에서 Markov Chain을 이용한 DCF 성능분석은 2000여회 이상 인용된 무선 MAC계층 성능분석의 중요한 Reference이다. 시스템 성능 분석을 위해서는 기본적으로 정확한 모델링이 필수적인 데 Bianchi 교수는 이러한 성능분석 모델링에 있어서 탁월한 공헌을 하였다. 또한 MAC계층 성능분석 이외에도 broadband network 디자인 및 성능평가, 멀티미디어 정보 검색, Quality of Service in IP, Multiple Access and mobility management, 보안 등 여러 분야에 걸쳐 활발한 연구를 진행하고 있다.

Bianchi 교수는 하나의 연구 영역에 국한되지 않고 과거와 현재 기술을 연결하여 새로운 연구영역을 찾아내는 역할 모델로서도 기여했으며, ACM 및 IEEE 산하의 수많은 학회를 조직하여 연구기반을 조성하는데 큰 기여를 하였다.

다음은 Giuseppe Bianchi 교수의 영문약력이다.

Giuseppe Bianchi is full professor at the University of Roma Tor Vergata. Formerly, he has been Assistant professor at the Politechnic of Milan from 1993 to 1998, and Associate professor from 1998 to 2006, first in the University of Palermo (1998-2003) and then with the School of Engineering of the University of Tor Vergata. He spent 1992 as visiting researcher at the Washington University of St. Louis, Missouri, USA, and 1997 as visiting professor at the Columbia University of New York. His research activity (documented in more than 100 papers in peer-refereed international journals and conferences) spans several areas, among which: WLAN 802.11 networks, design and performance evaluation of broadband networks; multiple access and mobility management in wireless local area networks; Quality of Service support in IP; adaptive QoS support; multimedia information retrieval services; programmable networks. He has been co-organizer of the first ACM workshop on Wireless Mobile Internet (WMI 2001), for the first ACM workshop on Wireless Mobile Applications over WLAN Hot-spot (WMASH 2003), and for the third IEEE international workshop on Multiservice IP networks (QoS-IP 2005). He has been general chair for the second ACM workshop on Wireless Mobile Applications over WLAN Hot-spot (WMASH 2004). Giuseppe Bianchi has extensively participated and coordinated national and European research projects. Specifically, he has been national responsible and contact point within the European project ITEA-POLLENS, Italian responsible for the research unit Palermo of a subcontract within the European project IST-SUITED, and scientific coordinator for the research unit Palermo within the national projects PRIN-RAMON; FIRB-TANGO, FIRBPRIMO and FIRB-VICOM. Giuseppe Bianchi has been further involved, as research collaborator, in several international and national research projects, including the IST projects FIFTH, ICEBERGS and SIMPLICITY, and the

ITEA project RTIPA. he's currently technical coordinator for the European project PRISM (Privacy-aware secure network monitoring).

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