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Institute IMDEA Networks Appoints Dr. Vincenzo Mancuso as Staff Researcher

Dr. Mancuso brings to the team broad experience in areas such as network protocols and performance analysis.

Institute IMDEA Networks, a research institute backed by the Madrid Regional Government, has announced that Dr. Vincenzo Mancuso will join the Institute in September 2010 in the role of Staff Researcher, bringing to the research team extensive experience in areas such as network protocols and performance analysis. A short biography of Dr. Mancuso is available [here](#).

Dr. Mancuso's research interests include IP solutions for quality-of-service support in access networks; interconnection technologies for heterogeneous networks; the support of multimedia applications in mobile systems; wireless mesh networks operated via technologies such as 802.11, 802.16 and LEO/GEO satellites; and fairness in spatially biased mesh networks. At the Institute he will be focusing on areas such as power-saving strategies for packet cellular networks, the ecologically friendly design of 3G+ base stations and the performance analysis of IEEE 802.11 and IEEE 802.16 multi-hop mesh networks.

Most recently Dr. Mancuso held a post-doctoral position with MAESTRO, a project team of the Institut national de recherche en informatique et automatique (INRIA) located at the Sophia Antipolis technology park in France, conducting research in cellular networking. Previously he has held post-doctoral positions at the University of Palermo (Italy), Rice University (Texas), and the University of Rome Tor Vergata (Italy), covering areas such as satellite communications and wireless mesh networking.

Dr. Mancuso received a Masters degree in Electronics from the University of Palermo, Italy, in 2001, and a Ph.D. in Electronics, Computer Science and Telecommunications from the same University in 2005. His recent publications include contributions to a paper on elastic rate limiting for spatially biased wireless mesh networks, presented at IEEE INFOCOM 2010 in San Diego in March of this year (1), and a paper on congestion-controlled flows in wireless mesh networks published in a recent issue of IEEE/ACM Transactions on Networking (2).

(1) V. Mancuso, O. Gurewitz, A. Khattab, and E. Knightly, "Elastic Rate Limiting for Spatially Biased Wireless Mesh Networks", in Proceedings of IEEE INFOCOM 2010, San Diego, CA, USA, March 2010.

(2) O.Gurewitz, V.Mancuso, J.Shi. E.W. Knightly, "Measurement and Modeling of the Origins of

Starvation of Congestion-Controlled Flows in Wireless Mesh Networks", in IEEE/ACM Transaction on Networking, vol. 17, issue 6, December 2009, Pages: 1832-1845.

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About us

IMDEA Networks Institute, promoted by the Regional Government of Madrid, is a research organization on computer and communication networks whose multinational team is engaged in cutting-edge fundamental science and technology. As a growing, English speaking institute located in Madrid, Spain, IMDEA Networks offers a unique opportunity for pioneering scientists to develop their ideas. IMDEA Networks has established itself internationally at the forefront in the **development of future network principles and technologies**. Our team of highly-reputed researchers is designing and creating today the networks of tomorrow.

Some keywords that define us: 5G, Big Data, blockchains and distributed ledgers, cloud computing, content delivery networks, data analytics, energy-efficient networks, fog and edge computing, indoor positioning, Internet of Things (IoT), machine learning, millimeter-wave communication, mobile computing, network economics, network measurements, network security, networked systems, network protocols and algorithms, network virtualization (software defined networks – SDN and network function virtualization – NFV), privacy, social networks, underwater networks, vehicular networks, wireless networks and more...

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