Press release

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PRESS RELEASE

FOR IMMEDIATE RELEASE

Madrid, September 24, 2010

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.

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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.

Dr. Vincenzo Mancuso, Staff Researcher, Institute IMDEA Networks

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ABOUT INSTITUTE IMDEA NETWORKS

Institute IMDEA Networks is an international research institute supported by the Regional Government of Madrid and the European Union. The Institute brings together distinguished and young scientific researchers to develop cutting-edge science and technology in the field of networking. In order to ensure a truly international perspective, the Institute's working language is English. Promoting interdisciplinary collaboration, the Madrid-based Institute works in partnership with leading businesses and scientists from around the globe. By generating new knowledge and understanding through its activities, the Institute supports the continued development of Madrid and Spain as a centre for international scientific and technological research.

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If you would like more information about this topic, please call or email:

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