

PRESS RELEASE

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Marcelo Bagnulo, First member of a Spanish Institution to be elected to the Internet Architecture Board

Dr. Marcelo Bagnulo Braun, Associate Professor at the Telematics Department of University Carlos III of Madrid (UC3M), a member of NETCOM Research Group and an active collaborator with IMDEA Networks on its research on The Future Wireless Internet, has been appointed as a member of the Internet Architecture Board (IAB) - a body of 13 experts who play a major role in the process of definition of Internet Protocols, and as a result, on the worldwide evolution of the Internet. The IAB is a committee of the Internet Engineering Task Force (IETF) that oversees the technical and engineering development of the Internet by the Internet Society (ISOC). The UC3M has the honor of being the first Spanish Institution to count amongst its academics an incoming member of the IAB.

Dr. Bagnulo is a young leading researcher on Internet routing, mobile services, transition from IPv4 to IPv6 and security. His appointment to the IAB is the consequence of his outstanding contribution to the work of the IETF, where he is the chair of two of its Working Groups (IETF WGs), namely, mext (Mobility EXTensions for IPv6) and CSI (Cryptographic generated addresses and Send maintenance). Dr. Bagnulo has also headed the Huawei Laboratory at UC3M, which was set up with the objective of researching Multihoming in IPv6 and produce IETF specifications.

Bagnulo's career in Electrical Engineering up to date is an exemplary form of interdisciplinary collaboration –research, academia, industry – which has yielded cutting-edge results in the field of networking with a profound impact on the future of the Internet. The breath of his accomplishments has lead him to participate in several European Research projects, such as the successfully concluded LONG, DAIDALOS, E-Next, 6LINK, RING, OneLab and currently, on Trilogy (Re-Architecting the Future Internet), financed by the European Commission under the Seventh Framework Programme (FP7). In addition, Bagnulo – who was awarded a PhD *Suma Cum Laude* in Telecommunication Technologies by UC3M in 2005 – is now PhD Supervisor of several of IMDEA Networks' promising Research Assistants. Moreover, Bagnulo is the



fourth research collaborator of IMDEA Networks to have been appointed to the IAB in recent years, the other three being members of its Scientific Council: Gonzalo Camarillo of Nomadic Labs Ericsson Research, Professor Jon Crowcroft of University of Cambridge and Professor Lixia Zhang of UCLA. Amongst previous members of the IAB we can also find Vint Cerf, widely acknowledged as “the father of the Internet”, who was awarded the “Príncipe de Asturias Prize to Scientific and Technical Investigation” (*Premio Príncipe de Asturias de Investigación Científica y Técnica*) in 2002 .

The IETF’s Internet Standardization work operates thanks to the volunteer work of its members, although membership of the IAB is a distinction only acquired as a result of direct election by the scientific community of the IETF. The IETF develops and promotes Internet standards, in particular the standardization of the group of TCP/IP protocols. The IETF produces Requests for Comments (RFCs) which define the protocols amply used in the Internet today, from those that allow emails to transmission, location or domain names. The IAB conducts the architectural supervision of the work performed by the IETF.



Marcelo Bagnulo works at defining the standards of the Internet of the future.

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ABOUT IMDEA NETWORKS

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.

www.networks.imdea.org

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