

Panel Breakout 3B: The Future of Transport

Speaker: João Barros

Professor, Electrical and Computer Engineering, University of Porto



João Barros is Founder and CEO of Veniam'Works, Professor of Electrical and Computer Engineering at the University of Porto, and Founding Director of the Institute for Telecommunications in Porto, Portugal, which counts almost 100 active members. He was a Fulbright scholar at Cornell University and has been a Visiting Professor with MIT since 2008. He also teaches at the Porto Business School and co-founded two start-ups, Streambolico and Veniam, commercialising wireless video and vehicular communication technologies, respectively.

Between 2009 and 2012, Dr. Barros served as National Director of the Carnegie Mellon Portugal Program, a five-year international partnership funded by the Portuguese Foundation of Science and Technology, with a total budget of 56 million Euros. In recent years, João Barros has been Principal Investigator (PI) and Co-PI of numerous national, European and industry funded projects, co-authoring one book and 170 research papers in the fields of networking, information theory and security, with a special focus on smart city technologies, network coding, physical-layer security, sensor networks, and intelligent transportation systems.

Dr. Barros has received several awards, including the 2010 Institute of Electrical and Electronics Engineers (IEEE) Communications Society Young Researcher Award for the Europe, Middle East and Africa region, the 2011 IEEE ComSoC and Information Theory Society Joint Paper Award, the 2012 BES National Innovation Award, the 2013 MIT Portugal Venture Competition Prize "Building Global Innovators", and a state-wide best teaching award by the Bavarian State Ministry of Sciences, Research and the Arts. Dr. Barros is frequently invited as an expert speaker by international organisations such as the European Commission, OECD, International Telecommunication Union (ITU), EuroDIG and IEEE. He also works as an independent consultant for various organisations and projects. In addition, Dr. Barros's work has been featured by the BBC, National Public Radio (NPR) and MIT Technology Review, among others.