



**Lars T. Berger**

**PhD degree in wireless communications from the Baden-Wuerttemberg Cooperative State University (Germany), the University of Bristol (UK), and Aalborg University (Denmark)**

Lars T. Berger is director of the R&D at Kenus Informatica, Paterna, Spain, with focus on IT services related to Smart Grid/Smart Home, Ambient Assisted Living and eHealth. He is also founder of BreezeSolve, a Valencia-based company offering engineering and project management services.

Lars received the Dipl.-Ing. degree in electrical engineering, the MSc degree in communication systems and signal processing, and the PhD degree in wireless communications from the Baden-Wuerttemberg Cooperative State University (Germany), the University of Bristol (UK), and Aalborg University (Denmark) in 1999, 2000, and 2005 respectively.

While working for Nortel Networks (United Kingdom), and during his four years stay at Aalborg University financed by Nokia Networks, he extensively focused on MIMO channel modelling, MIMO signal processing, and MIMO scheduling algorithms for 3G cellular systems. During a visiting professor term at the University Carlos III of Madrid (Spain) he extended his work to 4G cellular, as well as wireless LAN systems and sensor networks. From 2006 to 2010 he became senior engineer at Design of Systems on Silicon (DS2, Spain, in 2010 acquired by Marvell Semiconductors) forming part of the key system architecture team, responsible for MIMO and multi-user enabled power line silicon solutions. More recently, he extended his area of interest to Smart Grid/Smart Home, Ambient Assisted Living/eHealth, Internet of Things and Cyber-physical systems in general.

Dr. Berger is active in EU R&D projects since FP5. He is holding four patents, and is editor of the books 'Smart Grid - Applications, Communications and Security' (John Wiley & Sons) and 'MIMO Power Line Communications: Narrow and Broadband Standards, EMC, and Advanced Processing' (CRC Press, Taylor & Francis Group). Apart, Dr. Berger is shareholder and technical advisory board member of several highly innovative SMEs, and a frequently invited expert adviser to European Union Services.