

Jean-Charles Bolomey is currently an Emeritus Professor at Paris-Sud University and visiting Professor at UPC Barcelona. Since 1981, his research, conducted in the Laboratoire des Signaux et Systèmes, has been devoted to Near-Field techniques in a broad sense, including antenna measurement, EMC testing, as well as Industrial-Scientific-Medical (ISM) applications. His contributions have mostly concerned measurement techniques. He has more particularly promoted the modulated probe array technology and has coauthored with Prof. F. Gardiol a reference book on principles and applications of the Modulated Scatterer Technique (MST). He is holder of several patents covering various MST probe array arrangements for microwave sensing and imaging systems. In 1986, he founded the company SATIMO. He has been also involved in industrial applications of microwave heating and in the field of High Power Microwave metrology. He has actively contributed to several cooperative European programs ranging from medical hyperthermia to industrial process. Recently, his research was related to RF dosimetry and rapid SAR measurements for wireless communication devices. He is now continuing his research on load-modulated scattering antennas, and, more particularly, novel sensing applications of RFID-based technology. He is also contributing as a member of several Scientific Advisory Boards of European Institutions and startup companies. He has been appointed as Distinguished Lecturer of the IEEE Antennas and Propagation Society (2011–2013) and received several awards, including the Distinguished Achievement Award of the Antenna Measurement Technique Association (AMTA) for his pioneering activity in the field of modulated probe arrays (1991). He is Fellow of the IEEE.