

Marcelo Sampaio de Alencar was born in Serrita, Brazil in 1957. He received his Bachelor Degree in Electrical Engineering, from Universidade Federal de Pernambuco (UFPE), Brazil, 1980, his Master Degree in Electrical Engineering, from Universidade Federal da Paraiba (UFPB), Brazil, 1988 and his Ph.D. from University of Waterloo, Department of Electrical and Computer Engineering, Canada, 1994. Marcelo S. Alencar has more than 30 years of engineering experience, and 24 years as an IEEE Member, currently as Senior Member. For 18 years he worked for the Department of Electrical Engineering, Federal University of Paraiba, where he was Full Professor and supervised 46 graduate and several undergraduate students.

During that period he was responsible for the creation and administration of three communication and signal processing laboratories in his University, management of several contracts, for consulting and project development, with many companies, agencies, and universities, including Telecom Italia Mobile, MCI-Embratel, Telebras, Chesf, CNPq (Brazilian Council for Scientific Research and Development), Finep (Federal Government Agency to Fund Studies and Projects), UFPE, UFMA, Siemens, Contol, Oi, CSU, Unicamp and Telern. He is member of the Consultative Committee on Digital Television of the Ministry of Communications and member of the Technical Chamber for the Development of Telecommunications (Finep). He was responsible for the development of the first courses on Mobile Cellular Communications and Digital Television in the North and Northeast regions of Brazil.

Since 2003, he is Chair Professor at the Department of Electrical Engineering, Federal University of Campina Grande, Brazil. Previously, he worked, between 1982 and 1984, for the State University of Santa Catarina (UDESC). He spent some time working for MCI-Embratel and University of Toronto, as Visiting Professor. He is founder and President of the Institute for Advanced Studies in Communications (Iecom). He has been awarded several scholarships and grants, including three scholarships and several research grants from the Brazilian National Council for Scientific and Technological Research (CNPq), a scholarship from the University of Waterloo, a scholarship from the Federal University of Paraiba, an achievement award for contributions to the Brazilian Telecommunications Society (SBrT), an award from the Medicine College of the Federal University of Campina Grande (UFCG) and an achievement award from the College of Engineering of the Federal University of Pernambuco, during its 110th year celebration. His biography is included in the following publications: Whos Who in the World and Whos Who in Science and Engineering, by Marquis Whos Who, New Providence, USA.

He published over 350 engineering and scientific papers and 17 books, which include: Digital Television Systems, by Cambridge, Communication Systems, by Springer, Information Theory, by Momentum Press, Engenharia de Redes de Computadores, Teoria de Conjuntos, Medida e Probabilidade, Ondas Eletromagneticas e Teoria de Antenas, Probabilidade e Processos Estocsticos, Telefonica Celular Digital, Telefonica Digital, Televiso Digital and Sistemas de Comunicaes, by Editora rica Ltda, Histrina, Tecnologia e Legislaao de Tecomunicaes, Sexo Conexo, Divulgao Cientfica, Histrina da Comunicao no Brasil, Soluos dAlma, by

Epgraf, Principios de Comunicaes, by Editora Universitria da UFPB. He also wrote six chapters, including one to the book Communications, Information and Network Security, by Kluwer Academic Publishers, and the essay Historical Evolution of Telecommunications in Brazil for the IEEE Foundation.

Marcelo S. Alencar has contributed in different capacities to the following scientific journals: Editor of the Journal of the Brazilian Telecommunication Society; Member of the International Editorial Board of the Journal of Communications Software and Systems (JCOMSS), published by the Croatian Communication and Information Society (CCIS); Member of the Editorial Board of the Journal of Networks (JNW), published by Academy Publisher; Editor-in-Chief of the Journal of Communication and Information Systems, special joint edition of the IEEE Communications Society (ComSoc) and SBrT. He was member of the SBrT-Brasport Editorial Board. He served as member of the IEEE Communications Society Sister Society Board and as Liaison to Latin America Societies. He also served on the Board of Directors of IEEE's Sister Society SBrT. He is a Registered Professional Engineer. He is a columnist for the traditional Brazilian newspaper Jornal do Comercio, since April, 2000, and is currently Vice-President External Relations of SBrT. His webpage: www.difusaocientifica.com. Head of the Smart Cities Project at the Iecom (<http://www.nr2.ufpr.br/sia2/>).

He has been involved as a volunteer with several IEEE, SBrT, SBMO, and other organizations' activities, including being a member of the Advisory or Technical Program Committee in editions of the following events: SoftComm 2014, EMC 2014, EUSIPCO 2014, ICACCI 2014, MOMAG 2014, ICED 2014, ICT 2014, IV SIREE, ICWiSe2013, SBrT 2013, RFM 2013, IWT 2013, ICT-EurAsia 2013, SoftComm 2012, MOMAG 2012, SBrT 2012, ICACCI-2012, ISWCS 2012, CBA 2012, PIMRC'11, ISWCS 2011, SoftComm 2011, I2TS 2011, IWT 2010, I2TS 2010, CBEB'2010, MOMAG 2010, ITS 2010, CBA 2010, IEEE WCNC 2010, WPMC'2010, IEEE ISPLC 2009, ITU-T Kaleidoscope 2009, VTC'2009, WCNC'2009, ICT'09, WCNC 2008, AICT'2008, IMOC 2007, IST 2007, UBICOMM 2007, GIIS 2007, 20th ITC, AICT'2007, SBrT'07, ICC'2007, IWT07, IWCC 2006, IWCMC'2006, ICT'2006, XXII SBT, XXXIII COBENGE, AICT'06, IEEE PIMRC'06, ITS'06, ISSSTA'06, ICT'2005, ICT'2004, PIMRC'05, AICT 2005, SBT 2005, IEEE WSPAWC 2004, IWT'04, IEEE ICC'04, IEEE PIMRC'04, XXI SBT, IEEE WCNC'04, IEEE GLOBECOM 2003, IMOC 2003, XX SBT, CBA 2002, ITS'2002, IEEE PIMRC'02, SBMO 2002, WPMC'02, IEEE ICC'2002, IEEE ICC'2001, IEEE GLOBECOM'01, IEEE GLOBECOM'00, IEEE VTC'00, CBA 2000, IEEE GLOBECOM'99, XVIII SBT, IEEE ICC'99, SBRC'99, IEEE GLOBECOM'98, SBrT/IEEE ITS'98, XVII SBT, IEEE GLOBECOM'93, XIII SBT, TELEMO'96, XVI SBT, XV SBT.

He served as member of the IEEE Communications Society Sister Society Board and as Liaison to Latin America Societies. He also served on the Board of Directors of IEEE's Sister Society SBrT. He is a Registered Professional Engineer and recipient of a grant from the IEEE Foundation. He has been acting as reviewer for several scientific journals, including the following: IEEE Transactions on Communication, IEEE Transactions on Vehicular Technology, IEEE Transactions on Biomedical Engineering, IEEE Communications Letters,

Wireless Personal Communications, published by Kluwer Academic Publishers, Journal of the Brazilian Telecommunications Society.

Marcelo S. Alencar is currently serving on the Board of Directors of the Brazilian Telecommunications Society (SBrT), as Vice-President External Relations. He is also serving on the Council of the Brazilian Microwave and Optoelectronics Society (SBMO). He is member of the Institute of Electronics, Information and Communication Engineering (Japan), member of the Brazilian Microwave and Optoelectronics Society, member of SBPC (Brazilian Society for the Advancement of Science) and member of SBEB (Brazilian Society for Biomedical Engineering).