

Prof. Dr. Luís Geraldo Pedroso Meloni

Professor from the School of Electrical and Computing Engineering, at the University of Campinas, he also coordinates the Innovation and Technology Sector at the school. Ph.D. in Electrical Engineering and Automation at the University of Nancy I (1985), France, MSc (1982) at School of Electrical and Computing Engineering and under-graduated (1980) in Electrical Engineering, both at UNICAMP. He participates in the Brazilian Digital Television System Committee, as well as Coordinates the Working Group of Interactive Channel of the Brazilian Systems of Digital Television Forum. He has large experience in Electrical and Computing Engineering, in several fields such as digital signal processing, digital television systems, wireless communications (LTE, 5G, WiMAX, among others), advanced programming of digital signal processing for several platforms (DSP, FPGA, GPU, etc.), software-defined radio technologies, coding and speech recognition, software tools for teaching and learning. He has several publications in national and international journals and symposia and several patents in wireless communications. He is coordinator of the Real Time Digital Signal Processing Laboratory (RT-DSP) at UNICAMP, an excellence laboratory on Software-Defined Radio and Digital Television. He has been working on the area of digital signal processing since 1982, and he has participated in several projects that use Digital Signal Processors in embedded in systems for Brazilian companies (modems for Sid Telecom, secure speech communication systems at the Research Center for Secure Communication, Brazilian Agency, MFC signaling, DTMF signaling, telephony pulse detector, voice message system for Zetax Tecnologia/Lucent Technologies). He was lecturer at University of Brasilia (1990-1993) and he is currently at University of Campinas, since 1997.