



## BIOGRAPHICAL NOTE

**PEDRO BERTEMES FILHO** was born in Florianópolis (Brazil) on March 10, 1970. Bachelor of Electrical Engineering at the State University of Santa Catarina in 1995, Master on Biomedical Engineering at the Federal University of Santa Catarina in 1998 and PhD on Medical Physics at the University of Sheffield in 2002. He worked on the development of wireless clinical devices for processing EEG, ECG and EMG signals. Over the last decade, he has been working with electrical impedance spectroscopy related to the characterization of tissue. He coordinates a project working with electrical cervical cancer diagnosis by using an impedance probe for taking the measurements of 500 women from 5 hospitals in the state of Santa Catarina (Brazil). He is an Associate Professor at the State University of Santa Catarina (UDESC) lecturing electrical instrumentation for undergraduate, Master and PhD students students in the Department of Electrical Engineering. Leader of the research group on Biomedical Engineering at UDESC and member of the University Ethic Committee. He has done postdoctoral studies at the University of São Paulo in 2003, working with the development of an Electrical Impedance Tomograph. Recently, he was a visiting researcher fellow at the University of Sheffield, working with electrical bioimpedance for the early detection of premature birth. He has been peer review of over 10 international journals related to the field of Biomedical Engineering, as well as *ad hoc* consultant of 5 national research agencies in Brazil. Member of the Brazilian Society of Biomedical Engineering (SBEB), the International Society of Electrical Bioimpedance (ISEBI), the Canadian Medical and Biological Engineering Society (CMBES) and the Institute of Electrical and Electronics Engineers (IEEE). Also, he is a member of the editorial advisory board of the "Revista Ingeniería Solidaria" (ISSN 1900-3102) and section editor of the International Journal of Electrical Bioimpedance (IJEB).