

Lecture: "Remote Bioimpedance Measurements – Prof. Antonio H. Dell’Osa (UNTDF, Argentina)

Traceability and repeatability in bioimpedance measurements are directly related to the use of calibrated equipment and trained users (not always experienced and trained are synonyms).

From the Laboratory of Applied Electronics and Biomedicine (Ushuaia, Argentina) we have experienced the impossibility of making measurements for years, despite being pioneers in the youngest university in Argentina and the southernmost bioimpedance researchers in the world.

In this presentation we will show the first step of the project "Remote Bioimpedance Measurements". It consists of the remote use of a Keysight 4981L benchtop instrument for electrical impedance spectroscopy measurements from a web site. The next step in this project is to enable remote electrical impedance tomography measurements.

This initiative provides a solution to the problems faced by several research colleagues: lack of equipment, out-of-service equipment, inexperience in use, lack of training, and many other causes.

This project aims to pioneer the creation of a bioimpedance measurement network in Latin America.