

Announcement: Free attendance to a minicourse:

## *Minicourse on Bioinstrumentation*

From 18th to 22th June

given by prof. **Pedro Bertemes Filho**

From 18th to 22th June we host at our faculty an esteemed researcher and lecturer prof. Bertemes from Johannesville, Brasil. Prof. Bertemes is an expert in electronic instrumentation, sensors and transducers. He is a leader of the biomedical engineering research group at UDESC (Universidade do Estado de Santa Catarina) and a reviewer of 6 international journals. His research interests are Electrical Bioimpedance, Electrical Impedance Tomography, Biosensors and Biotelemetry.

The minicourse will be on bioinstrumentation but especially focused to the bioimpedance field. The minicourse is open to all students (domestic and foreign) that are interested in biomedical instrumentation. No special foreknowledge is needed. There will be no exam at the end of the lectures.

Lectures:

DAY 1 - Bioimpedance basics; Bioimpedance basics;

DAY 2 - Bioimpedance meters: hardware; Bio-spectrometers hardware;

DAY 3 - Multi-channel Systems; Micro-bioimpedance meters;

DAY 4 - Bioimpedance Probes; Temperature and Pressure Effects;

DAY 5 - New Trends on Bioimpedance; Design Guide Lines.

All lectures will be at the Faculty of Electrical Engineering, University of Ljubljana, Tržaška 25. The lectures are planned to be from 10-12h each day in room P10.



Please register for the course at <https://goo.gl/DpccWt>



**BIOGRAPHY:** Pedro Bertemes Filho finished the Electrical Engineering undergraduate course in 1995 at The State University of Santa Catarina (UDESC) and PhD in Medical Physics in 2002 at The University of Sheffield (UK). He is an Associate Professor in UDESC since 2004, lecturing electronic instrumentation, sensors and transducers, introduction of biomedical engineering for master and doctorate students. Leader of the biomedical engineering research group at UDESC. Member of IEEE, ISEBI, ICP RBI, SBEB, IFMBE, CMBES and ATINER. Reviewer of more than 6 international journals. Areas of research interest are focused on electrical bioimpedance and bioinstrumentation. Researcher interests on Electrical Bioimpedance, Electrical Impedance Tomography, Biosensors and Biotelemetry.



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