



INTERNATIONAL CONFERENCE ON ELECTRICAL BIOIMPEDANCE

June 9-13 - Joinville - Brazil

Time	June 09		June 10		June 11	June 12	June 13
8:00-8:30	Registration		Registration		Invited Lecturer 1		
8:30-9:00							Awarded Lecture
9:00-9:30	Course 1 (P1)	Course 2 (P2)	Course 3 (P1)		Oral Session 1 (P1,2)	Oral Session 5 (P1,2)	The Herman P. Schwan Award
9:30-10:00							Best Paper/Poster
10:00-10:30	Coffee Break		Coffee Break		Coffee Break - Posters	Coffee Break - Posters	Coffee Break
10:30-11:00	Course 1 (P1)	Course 2 (P2)	Course 3 (P1)		Invited Lecturer 2	Invited Lecturer 5	ICEBI 2022 Annoucement
11:00-12:00					Oral Session 2 (P1,2)	Oral Session 6 (P1,2)	CLOSING CERIMONY
12:00-13:30	Lunch		Lunch		Lunch	Lunch	
13:30-14:00	Course 1 (P1)	Course 2 (2)	Course 3 (P1)		Invited Lecturer 3	Invited Lecturer 6	
14:00-15:30					Oral Session 3 (P1,2)	Oral Session 7 (P1,2)	
15:30-16:00	Coffee Break		Coffee Break		Coffee Break - Posters	Coffee Break - Posters	
16:00-16:30					Invited Lecturer 4		
16:30-17:30	Course 1 (P1)	Course 2 (P2)	Course 3 (P1)		Oral Session 4 (P1,2)	Oral Session 8 (P1,2)	
17:30-18:30							
18:30-19:00						ISEBI ASSEMBLY	
19:00-19:30			OPENNING CEREMONY			ICPRBI ASSEMBLY	
19:30-20:30			Cultural Event				
20:00-20:30					Conference Gala Dinner		
20:30-23:00			Conference Cocktail				





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ID	Authors	Paper	Time	Day
LECTURER: Miniaturized Organs on a Chip and Bio-Impedance			08:00	11/06 Oral Session 01
13	Zhuoqi Cheng, Diego Dall'Alba, Darwin Caldwell, Paolo Fiorini and Leonardo Mattos	Design and integration of electrical bio-impedance sensing in a bipolar forceps for soft tissue identification: a feasibility study	08:30	
17	Tobias Menden, Tobias Textor, Samantha Schadwinkel, Steffen Leonhardt and Marian Walter	Influence of Measurement Pattern on RAW-data in Electrical Impedance Tomography	08:45	
24	Stephan Dahlmanns, Alissa Wenzel, Steffen Leonhardt and Daniel Teichmann	Hardware Setup for Bioimpedance Spectroscopy in Bandages	09:00	
25	Pietro Ibba, Giuseppe Cantarella, Biresaw Demelash Abera, Luisa Petti, Aniello Falco and Paolo Lugli	Selection of Cole model Bio-impedance parameters for the estimation of the ageing evolution of apples	09:15	
30	John Alexander Gomez Sanchez, Renata Hack, Sergio Henrique Pezzin and Pedro Bertemes Filho	Biosensor based on carbon nanocomposites for detecting glucose concentration	09:30	
36	André Cunha, Christin Schuelke, Arto Heiskanen, Afia Asif, Yasmin Hassan, Stephan S. Keller, Håvard Kålvøy, Alberto Martínez-Serrano, Jenny Emnéus and Ørjan G. Martinsen	Bioimpedance measurements on human neural stem cells as a benchmark for the development of smart mobile biomedical applications	09:45	
COFFEE BREAK			10:00	
LECTURER: Detection of gram positive and negative bacterium by electrical bioimpedance			10:30	11/06 Oral Session 02
43	Uwe Pliquet, Chris Gansauge, Echtermeyer Danny, Zaikou Yahor and Schneider Marit	Continuous monitoring using electrical relaxation spectroscopy	11:00	
7	Alice Reinbacher-Köstinger, Vahid Badeli, Gian Marco Melito, Christian Magele and Oszkar Biro	Numerical simulation of various electrode configurations in impedance cardiography to identify aortic dissection	11:15	
14	Fansan Zhu and Peter Kotanko	The Effect of Calf Adipose Tissue Thickness on the Estimation of Resistance by the Cole Model	11:30	
16	Carlos-Augusto Gonzalez-Correa and Luz-Oleyda Tapasco-Tapasco	The Hook Effect: An Artifact or a Second Dispersion?	11:45	
LUNCH			12:00	
LECTURER: Relaxation spectroscopy for rapid electrical characterization of biological material			13:30	11/06 Oral Session 03
18	Vahid Badeli, Alice Reinbacher-Köstinger, Oszkar Biro and Christian Magele	Numerical simulation of impedance cardiogram changes in case of chronic aortic dissection	14:00	
21	Leonie Korn, Simon Lyra, Steffen Leonhardt and Marian Walter	Analysis of silicone additives to model the dielectric properties of heart tissue	14:15	
23	Raul Guedert, Jéssica da Silva, Guilherme Pintarelli and Daniela Suzuki	A Short Review of Membrane Models for Cells Electroporation	14:30	
11	Svetlana Shchelykalina, Dmitry Nikolaev, Vladimir Kolesnikov, Kontantin Korostylev and Olga Starunova	Data Views Technology of Bioimpedance Vector Analysis of Human Body Composition	14:45	
33	Clara Helena Gonzalez-Correa, Luz-Elena Sepúlveda-Gallego and Maria Camila Pineda Zuluaga	Analysis of electrical bioimpedance for the diagnosis of sarcopenia and estimation of its prevalence	15:00	
34	Maria Camila Pineda Zuluaga, Clara Helena Gonzalez-Correa and Luz Elena Sepulveda Gallego	Sarcopenia in patients with Chronic Obstructive Pulmonary Disease and evaluation of raw BIA data	15:15	
COFFEE BREAK			15:30	
LECTURER: Modeling and Signal Processing in Impedance Spectroscopy: An Overview			16:00	11/06 Oral Session 04
39	Clara Helena Gonzalez-Correa, Julio César Caicedo-Eraso and Diana Rocio Varon-Serna	Bioelectrical impedance analysis for skeletal muscle index estimation in young men to establish cut offs points for sarcopenia diagnosis in elderly	16:30	
28	Carlos-Augusto Gonzalez-Correa, Luz-Oleyda Tapasco-Tapasco and Santiago Salazar-Garcia	Three electrode arrangements for the use of contralateral body segments as controls for Electrical Bio-Impedance measurements in three medical conditions	16:45	
31	Carlos-Augusto Gonzalez-Correa, Luz-Oleyda Tapasco-Tapasco and Santiago Ballesteros-López	Electrical Resistance at 50 kHz of the pig colon wall from the luminal side	17:00	
40	Carlos-Augusto Gonzalez-Correa, Ronal-Alfonso Morantes-Rolon and Alexander Olaya-Muñoz	Footedness and Electrical Bio-Impedance Spectroscopy (EBIS) in healthy young human males measured with two different devices	17:15	
47	Marc Tudela-Pi, Laura Becerra-Fajardo and Antoni Ivorra	Analysis of Volume Conduction as a Wireless Power Transfer Method for Millimetric Active Implantable Medical Devices	17:30	





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COFFEE BREAK - Posters 43 / 54 / 45 / 20				
49	Alberto Concu, Antonio Dell'Osa, Matías Gel, Andrea Fois, Quirico Mela, Andrea Loviseli and Fernanda Velluzzi	Differences in the Electrical Impedance Spectroscopy variables between right and left forearms in healthy people: a non invasive method to easy monitoring structural changes in human limbs?	08:30	12/06 Oral Session 05
22	Alberto Concu, Diego Albani, Lara Perrotta, Antonio Dell'Osa, Andrea Fois, Fernanda Velluzzi and Andrea Loviseli	Relationships Among Bioimpedance Variables and Gene Expression in Lactuca Sativa Exposed to a Cold Environment	08:45	
26	Eszter Vozáry, Zsanett Bodor, Kinga Ignác, Báborka Gillay and Zoltán Kovács	Effect of Heating on Dielectric Properties of Hungarian Acacia Honeys	09:00	
29	Gerardo Ames Lastra and César Antonio González Díaz	Impedance Measurements Sensitive in cDNA Concentrations.	09:15	
10	Michael Capps and Jennifer Mueller	Reconstructing Organ Boundaries with Deep Learning in the D-bar Method for Electrical Impedance Tomography	09:30	
32	Raul Lima, Marcelo Britto Passos Amato, Talles Batista Rattis Santos and Rafael Mikio Nakanishi	A measure of prior information of a pathology in an EIT anatomical atlas	09:45	
LECTURER: Some electrical properties of human skin			10:00	
LECTURER: Some electrical properties of human skin			10:30	
41	Alcendino Cândido Jardim-Neto and Juliana Neves Chaves	Functional segmentation for Electrical Impedance Tomography may bias the estimated center of ventilation	11:00	12/06 Oral Session 06
51	Zhao Song, Wei Wang and Gerald Sze	Preliminary results of a clinical EIM system	11:15	
19	Raul Guedert, Jéssica da Silva, Guilherme Pintarelli and Daniela Suzuki	Computational Study of Parameters of Needle Electrodes for Electrochemotherapy	11:30	
23	Raul Guedert, Jéssica da Silva, Guilherme Pintarelli and Daniela Suzuki	A Short Review of Membrane Models for Cells Electroporation	11:45	
LUNCH			12:00	
LECTURER: Electrical Impedance Imaging: from Bench to Bedside			13:30	
37	Raul Guedert, Apolo Heyse, Guilherme Pintarelli and Daniela Suzuki	Pulsed Current Analysis on Electroporation Process in Potatoes	14:00	12/06 Oral Session 07
5	Antonio Dell'Osa, Alberto Concu, Fernando Dobarro and Carmelo Felice	Bone fracture detection by electrical bioimpedance: first non-invasive measurements in ex-vivo mammalian femur	14:15	
15	Svetlana Shchelykalina, Milena Koloteva, Yulia Takhtobina, Yuri Smirnov, Galina Vassilieva, Dmitry Nikolaev and Alexander Smirnov	Bioimpedance Technology for Assessing Blood Filling Redistribution in Human Body Regions During Rotation on Short Radius Centrifuge	14:30	
3	Mingsheng Chen, Jia Xu, Jingbo Chen, Haisheng Zhang, Gen Li and Mingxin Qin	A Prototype System of Acute Stroke Type Discrimination and Monitoring Based on a Annulus Antenna Array: a Pilot Study	14:45	
4	Jingbo Chen, Gen Li, Mingsheng Chen, Jun Yang and Mingxin Qin	Real-Time Continuous Monitoring of Cerebral Edema Based on a Flexible Conformal Coil Sensor	15:00	
42	Uwe Pliquet, Chris Gansauge, Echtermeyer Danny, Zaikou Yahor and Schneider Marit	Continuous monitoring using electrical relaxation spectroscopy	15:15	
COFFEE BREAK - Posters 6 / 8 / 9 / 35 / 53			15:30	
48	Pere J Riu	THE SO-CALLED "MAXWELL-WAGNER" MIXTURE EQUATION	16:30	12/06 Oral Session 08
44	Christian Tronstad, Ole Elvebakk, Ørjan Martinsen and Håvard Kalvøy	COMBINING BIOIMPEDANCE WITH BIOELECTRICAL AND OPTICAL SENSORS FOR NONINVASIVE DETECTION OF HYPOGLYCEMIA	16:45	
46	Maryam Amini, Jonny Hisdal, Antonio Rosales, Håvard Kalvøy and Ørjan Grøttem Martinsen	EVALUATING THE EFFECTS OF COLD STORAGE ON VASCULAR GRAFTS USING BIOIMPEDANCE MEASUREMENT TECHNIQUES	17:00	
52	Mareike Apelt, Gesar Ugen, Levin Haeni, Andreas Raabe, Juan Ansó and Kathleen Seidel	Tissue Impedance Spectroscopy to guide resection of brain tumours	17:15	
47	Marc Tudela-Pi, Laura Becerra-Fajardo and Antoni Ivorra	Analysis of Volume Conduction as a Wireless Power Transfer Method for Millimetric Active Implantable Medical Devices	17:30	
50	Oliver Pabst and Ørjan Grøttem Martinsen	SOME FINDINGS ABOUT THE HUMAN SKIN MEMRISTOR	17:45	
12	Tingting Zhang, Tong In Oh and Eung Je Woo	Source consistency frequency difference Electrical Impedance Tomography (sc-fdEIT)	18:00	

