Report on BES-sponsored meeting on Wearable and Implantable Sensors and Electrochemical Devices (Lyon November 27-29th 2024)

The first Wearable and Implantable Sensors and Electrochemical Devices (WISED) conference took place in Lyon on November 27-29 2024. The conference was located in the main amphitheater of the Vinatier Hospital, which is the main psychiatric hospital in Lyon. The organizing committee members were Abdelhamid Errachid (University of Lyon), Stéphane Marinesco (University of Lyon) and Abdelkader Zebda (University of Grenoble. A total of 53 participants from France (34), United Kingdom (3), Japan (4), United States (2), Poland (2), Norway (1), Ireland (1), Israël (1), Italy (1), Qatar (1), Sweden (1), Belgium (1), and Denmark (1) attended the meeting, with 29 oral presentations and six posters. The presentations were mostly focused on wearable sensors for glucose and lactate monitoring, implantable sensors for serotonin, oxygen, glucose and lactate, as well as electrochemical devices coupled to cell cultures, the use of artificial intelligence for chemical sensor monitoring, and medical applications in sports and diabetes.

The meeting was opened by a plenary talk by Pr Parastoo Hashemi (Imperial College London), followed by invited presentations by Drs Martin Peacok (Zimmer and Peacok Inc.), Serge Cosnier (University of Grenoble), Pierre-Yves Benhamou (University of Grenoble), Pankaj Vadgama (Queen Mary University of London), Shelley Minteer (University of Utah), Roger Narayan (North Carolina State University), Andrew Gross (University of Grenoble), and Isao Shitanda (Tokyo University of Science),

A prize was awarded to Dr Serge Cosnier and Pankaj Vagdama for the outstanding contribution to the field of wearable and implantable sensors. A gala dinner took place in the center of Lyon on Thursday.

The organizing committee is grateful to the Bioelectrochemical Society and the International Society for Electrochemistry for their support of the WISED meeting. The meeting was also sponsored by industrial partners Origalys, HTDS, Palmsens, and Linxens. We also acknowledge the support of Inserm, the Lyon Neuroscience Research Center, the TIMC laboratory, University Claude Bernard Lyon 1, and region Auvergne Rhône Alpes.


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