University of Basel
Department of Biomedical Engineering

Seminar Series:
Latest Breakthroughs in Biomedical Engineering Research

Location: DBE Science Lounge, Hegenheimermattweg 167C, 4123 Allschwil
Date & Time: Thursday 08.10.2026 | 16:30 – 17:30
Host: Dr. Valentina Basoli

More Sustainable Bio/CMOS Interfaces for Remote Monitoring of Human Health

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Abstract

The emerging era of wearable devices leads to a revolution in distributed diagnostics by through several personal devices that allow remote monitoring and actuation for a better human health. To that aim, the present seminar presents a series of recent advancements in the field of portable, wearable, and also implantable Bio/CMOS interfaces. On the other hand, this seminar also addresses the arising issue of designing more sustainable technologies for personal bioelectronics.

Biosketch

Sandro Carrara is Professor and Head of the Bio/CMOS interfaces laboratory at EPFL. He is an IEEE Fellow of the Circuits and Systems Society, the recipient of the IEEE John Vig Award and of the IEEE Sensors Council Technical Achievement Award. Along his carrier, he has published 7 books with prestigious publishers, like Springer/NATURE and Cambridge Academic Press, more than 450 scientific papers, and is co-inventor of more than 20 patents.