KEYNOTE SPEAKERS

FIORELLA HAIM, URUGUAY | OLFA KANOUN, GERMANY
JOAQUIM MENDES, PORTUGAL | FEDERICO LECUMBERRY, URUGUAY
JULIÁN OREGGIONI, URUGUAY

CEIBAL: BEYOND THE DEVICE - 19 YEARS OF TECH-ENABLED EQUITY

Fiorella Haim

President of Ceibal, Uruguay

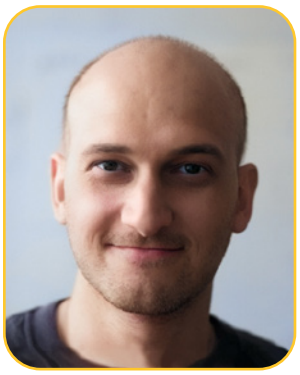
Fiorella Haim has been the President of Ceibal since 2025, becoming the first woman in this position. She holds a degree in Electronics Engineering from the Universidad de la República (UdelaR) and a Master of Science from the University of Maryland. She has been with Ceibal since its inception in 2007, and has been a faculty member at UdelaR since 2001. In 2021, she received the Ada Byron Award and was recognized by BETT in 2026 as one of the top 10 most influential women in EdTech worldwide.

REDEFINING HUMAN-MACHINE INTERACTION: INTELLIGENT CAMERA-FREE WEARABLE GESTURE RECOGNITION AT THE EDGE

Olfa Kanoun

Professor and Chair, Measurement and Sensor Technology Department
Chemnitz University of Technology, Germany

Olfa Kanoun is a referential researcher in impedance spectroscopy, wireless sensors, flexible sensors and smart wearables with applications in battery diagnostics, medical wearables, rehabilitation monitoring, and environmental sensing. Olfa received the Tunisian Presidential Award for Best Tunisian Researcher Abroad (2024) among other awards. Olfa established the IEEE IMS-TC2 Committee on Impedance Spectroscopy and the International Workshop on Impedance Spectroscopy (IWIS), supervised 50 graduate researchers, initiated the TU Chemnitz IEEE Student Branch, and contributed to EU Horizon projects and DFG review boards. Her work bridges academic research with practical applications in Industry 4.0, healthcare, and IoT, emphasizing energy efficiency, real-time monitoring, and intelligent human-machine interaction through wearable sensing systems.



COMPUTATIONAL FLUORESCENCE NANOSCOPY: OVERCOMING PHYSICAL LIMITS WITH MACHINE LEARNING

Federico Lecumberry

Professor and Chair of Electrical Engineering Institute
Universidad de la República, Uruguay

Federico Lecumberry is a Professor in Signal Processing and Machine Learning at the Institute of Electrical Engineering of the School of Engineering (IIE-FIng), Universidad de la República Uruguay, and Associate Researcher at Institut Pasteur de Montevideo (IPM). Active in Signal and Image Processing and Machine Learning in medical imaging. Director of IIE-FIng, former University of Minnesota researcher, Dr Lecumberry is IEEE Senior Member, researcher level II oft theNational Researcher System and level 4 PEDECIBA. Active in several microscopy societies he is a member of the Latin American AI Institute (KHIPU.AI) Board.

INFRARED THERMOGRAPHY IN HEALTHCARE

Keynote as a practical lab session with cameras & software used by participants

Joaquim Gabriel Mendes

Professor of Automation, Instrumentation, and Control
University of Porto, Portugal

Joaquim Gabriel Mendes is Professor with the Faculty of Engineering, University of Porto (FEUP), coordinator of the Automation, Instrumentation, and Control group, an external researcher of RISE-HEALTH FCT Unit, a member of the LABIOMEP UPorto Biomechanics Lab, and integrated researcher in the Biomechanics group of INEGI/LAETA. His main interests are instrumentation, supervisory control and data acquisition (SCADA), industrial automation, medical devices, and thermography. Member of EAT - European Association of Thermology, Mendes is author of 244 SCOPUS scientific publications, has supervised 125 MSc and 17 PhD, and was part of 88 Competitive Founding Projects.

ELECTRICAL INTERFACES WITH REINNERVATED MUSCLES AND NERVES FOR PROSTHESIS CONTROL

Julián Oreggioni

Professor of Electronics
Universidad de la República, Uruguay

Julián Oreggioni B.Sc., M.Sc., and PhD in Electrical Engineering from Universidad de la República Uruguay, 2006, 2013, and 2018. Associate Professor at the Instituto de Ingeniería Eléctrica, and a lecturer in embedded systems and analogue electronics, he has 10 years of experience in the electronics industry (M2M, e-commerce, vending machines, agrotech, and medical devices). He holds patents and has written technical articles. His research interests include ultra-low-power analogue integrated circuits and low-power embedded systems for biomedical and agrotech applications. IEEE Senior Member, and Member of the Uruguayan System of Researchers (SNI).