

Luz Saturnino

Dr Luz's research focuses on cost-effective and scalable methods for detection and assessment of dementia using machine learning methods, particularly analysis of acoustic properties of speech as digital biomarkers. He has been actively engaged in promoting this emerging research field globally, in collaboration with researchers from several countries. Dr Luz has promoted open research and benchmarking initiatives for sharing of data and expertise on digital biomarkers for dementia detection, having organised the first shared machine learning tasks on Alzheimer's Dementia Recognition through Spontaneous Speech (ADReSS'20 and ADReSS'21), which gathered over 60 researchers from 20 countries, and edited a book (an interdisciplinary volume encompassing articles published in *Frontiers in Aging Neuroscience*, *Frontiers in Psychology* and *Frontiers in Computer Science*) on this topic. At Edinburgh, he led the Translational Research Group on Technology and Communication at the Centre for Dementia Prevention and the EU-funded SAAM project (H2020 Personalised Medicine action), which investigated the use of low-cost ambient intelligence technology for healthy ageing. He is a member of the The Scottish Dementia Research Consortium.

