Constantinos S. Pattichis, *Chairman of the Board of Directors of the National eHealth Authority, Professor with the Department of Computer Science and Director of the Biomedical Engineering Research Centre at the University of Cyprus, and Leader of HealthXR Smart, Ubiquitous, and Participatory Technologies for Healthcare Innovation in the CYENS Centre of Excellence.*

He received a diploma as a Technician Engineer from the Higher Technical Institute in Cyprus in 1979, a BSc in Electrical Engineering from the University of New Brunswick, Canada, in 1983, an MSc in Biomedical Engineering from the University of Texas at Austin, USA, in 1984, an MSc in Neurology from the University of Newcastle Upon Tyne, UK, in 1991, and a PhD in Electronic Engineering from the University of London, UK, in 1992.

He has 35 years of experience in eHealth and connected health, medical imaging and artificial intelligence (AI) in medicine. More recently, his work has focused on mobile health (mHealth) interventions leveraging X Reality (XR) applications. Over the course of his career, he has participated in numerous projects in these fields, funded by the EU and other organizations, managing a total budget exceeding 21 million Euro. He has published 154 journal publications, 268 conference papers, 30 book chapters, and co-editorship of 4 edited volumes.

He works on the development and implementation of eHealth systems aimed at providing cross-border healthcare services. These systems have been utilized by Cypriot citizens, particularly during the pandemic (e.g., the platform for issuing the European Digital COVID Certificate), and have been developed in collaboration with the National eHealth Authority, the Ministry of Health, and the Deputy Ministry of Research, Innovation, and Digital Policy. Additionally, he is involved in the development of telemedicine systems for mobile devices, offering diagnostic coding of medical video that enables optimal communication for the provision of specialized medical expertise (teleconsultation) and care in emergency situations (telemonitoring).

Furthermore, he is also engaged in the development of diagnostic systems based on machine learning and artificial intelligence for processing and analysing medical images and videos. Specifically, his work includes brain MRI analysis to detect and characterize regions of interest for predicting disease progression in patients with multiple sclerosis, as well as the quantitative analysis of brain MRI to identify novel biomarkers for evaluating Alzheimer's disease. Additionally, he focuses on the detection and characterization of atherosclerotic plaques in carotid artery ultrasound to estimate stroke risk, as well as the use of endometrial hysteroscopy for the video assessment of suspected cancerous lesions. These systems, which have been utilized by the Cyprus Institute of Neurology and Genetics, public and private hospitals, and leading university medical centers across the EU and North America, contribute to the early detection of abnormalities, tumours, and other pathological conditions. By enabling timely intervention and treatment, they play a vital role in improving patient outcomes.

He is a Member of the European Academy of Sciences and Arts, the International Academy of Medical and Biological Engineering (IAMBE), the European Alliance for Medical and Biological Engineering & Science (EAMBES), and a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) and the Institution of Engineering and Technology (IET).