

Dr. Maria Valero is an assistant professor in the College of Computing and Software Engineering, Department of Information Technology at Kennesaw State University (KSU). She received her Ph.D. in Electrical and Computer Engineering at the University of Georgia. She was an associate professor at the University of Tachira (Venezuela) from 2004 to 2015. Dr. Valero is the Director of the IoT as Service Research Group at the College of Computing and Software Engineering. Her research group investigates the use of IoT and sensor devices as a service for healthcare and cybersecurity. In the healthcare path, Dr. Valero's group focuses on implementing signal processing and advanced machine learning techniques to understand sensorial data for remote and non-invasively monitoring the human body and certain diseases like diabetes, heart rate complications, and brain issues. She also focuses on AI implementation for public health. She has been the lead PI of NSF, NSA, and NIH awards related to device technologies for healthcare. Her current research project is GlucoCheck, a NIA-funded device for non-invasive AI-powered glucose monitoring in older adults.