

Bibliography

Spyretta Golemati is Associate Professor of Biomedical Engineering in the Medical School of the National and Kapodistrian University of Athens, Greece. She holds a Diploma in Mechanical Engineering from the National Technical University of Athens, Greece, and the M.Sc. and Ph.D. degrees in Bioengineering from Imperial College London, UK. She is a member of IEEE-EMBS and IEEE-UFFC societies. She served as the chair of the Greek chapter of IEEE-EMB (2020-2023). She has been appointed Distinguished Lecturer of IEEE-EMB (2022-2024). She is Fellow of the European Alliance of Medical and Biological Engineering Societies (class 2022). She is alumna of the Fulbright Foundation-Greece.

Her main research interests revolve around image analysis of vascular ultrasound images, and the identification of novel indices of arterial mechanics and pathophysiology of atheromatous plaque. More specifically, she applies mathematical image analysis methods (multiscale/multiresolution, block matching, machine learning) to investigate morphological and kinematic/mechanical phenomena of the arterial wall. She served as the Technical Program chair of the 2024 IEEE International Symposium of Biomedical Imaging.