

BIOGRAPHY

M.Sc. degree in Electronic Engineering, "La Sapienza" University of Rome, Italy. Since 1996 G. D'Avenio has been working at the ISS, and is currently with the TISP Center.

His main research activity has been the fluid dynamical and biomechanical characterization of implantable devices (prosthetic heart valves, prosthetic vessels, stents), using several anemometric Techniques (e.g., LDA and stereo particle image velocimetry (PIV)). Other research interests include: experimental characterization of nanoparticle-induced biological effects, image processing and segmentation (echocardiography and MRI), hemodynamical characterization of congenital circulation diseases, machine learning and related topics.