

**Irene Karanasiou**

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Irene S. Karanasiou was born in Athens, Greece. She received the Diploma and the Ph.D. degree in Electrical and Computer Engineering from the National Technical University of Athens (NTUA), Athens, in 1999 and 2003, respectively. Since 1999, she has been a Researcher with the Microwave and Fiber Optics Laboratory (MFOL), NTUA and during 2009-2016 she held the position Researcher C' in the Institute of Communication and Computer Systems of the NTUA. In 2016 she was elected Associate Professor at the Hellenic Army Academy where she is currently Professor (since 2020) and also the Director of the Electronics Laboratory of the same institution.

Prof. Karanasiou teaches courses in Electronics and Telecommunication Systems at the 2nd, 3rd and 4th year of undergraduate studies and also various courses in three Masters Programs in the Hellenic Army Academy and the School of Electrical and Computer Engineering (ECE) of the National Technical University of Athens (NTUA). In addition, she has supervised more than 50 undergraduate and Master's theses at the Hellenic Army Academy and the NTUA while she is the co-advisor of 17 PhD students (of the ECE NTUA and one of the Medical School of Athens University).

She has authored or coauthored more than 160 papers in refereed international journals, conference proceedings and book chapters. She was the Member of the organizing and technical committees of more than 20 International Conferences including IEEE conferences, she is Associate Editor in IEEE and IET journals and serves as reviewer in more than 20 International journals (6 of which IEEE).

Her current main research interests include microwave imaging techniques, antennas and telecommunication engineering. She is also working in the fields of medical informatics, bioelectromagnetism, applications of microwaves in therapy and diagnosis, electroencephalography (EEG), computational neuroscience, functional brain imaging and recently terahertz technology and imaging. She has participated in more than 24 funded National and European research projects.

Prof. Karanasiou is a founding member of the IEEE Engineering in Medicine and Biology Society (EMBS) Greek Chapter and member of the Technical Chamber of Greece. She was the recipient of the Thomaidio Foundation Award for her doctoral dissertation (first place-2004) and three academic journal publications.