

SHORT CV: Papakonstantinou Apostolos

Dr. Papakonstantinou is currently a Contracted Lecturer at the Department of Civil Engineering and Geomatics at the Cyprus University of Technology. He is one of the founders of MRSGroup at the Dpt of Marine Sciences. Now is conducting his second postdoctoral research in MRSG funded by the Greek State Scholarships Foundation (IKY) on the "Detection and Mapping Plastic Litter in the Coastal Zone Using Unmanned Aerial Systems and Deep Learning Techniques". His previous post-doctoral research was also funded by the Greek State Scholarships Foundation (IKY) titled: "The potential use of UAS (Unmanned Aerial Systems) for the Geovisualization and mapping of coastal environments».



He holds a Ph.D. in the field of "Geoinformatics" with specialization in Cartography and scale issues in Geovisualization from the Department of Geography, University of the Aegean. Dr. Papakonstantinou holds an MSc in "Cultural Informatics and Communication" from the Department of Cultural Informatics and Communication, University of the Aegean and holds a degree in Physics from the University of Ioannina. Dr. Papakonstantinou was a Contracted Lecturer (PD / 407) in the Geography Department, Aegean University teaching the courses Introduction to Cartography and Thematic Cartography. Additionally, has teaching experience as a research associate and teaching assistant in Geovisualization and GIS.

His research interests include: UAS for mapping spatiotemporal phenomena, Cartographic visualization and Geovisualization and his work combine new methods and development of computational methods and algorithms in cartographic representation, scale Issues and Geovisualization emphasizing in cartographic 2D & 3D representation of spatiotemporal phenomena and 3D animation.

His current research focuses on "The potential use of UAS (Unmanned Aerial Systems) in cartographic and 2-3D Geovisualization applications" investigating the creation of a robust pipeline in spatial data acquisition and accuracy when derived from low-cost RGB, multispectral and hyperspectral cameras operated from lightweight platforms. Additionally, in his research examines the use of the UAS data acquisition for the creation of very high in resolution and accuracy spatial information for 2D and 3D mapping of spatiotemporal phenomena in coastal areas.

Furthermore, Dr. Papakonstantinou has also been involved in research groups and research projects of the Aegean University and the TEI of Central Macedonia the Dept. of Informatics. He has more than 50 publications in international journals, international conferences, chapters of books, Atlases. He was the cartographic editor of the "Atlas of the Greek Islands" and of a large number of maps for research projects.

He serves as a reviewer for the following international journals, ISPRS - International Journal of Geoinformation, MDPI – Remote Sensing, MDPI – Drones, MDPI – Sensors, MDPI – Sci, MDPI - Geosciences, MDPI – Sustainability, Springer - Applied Geomatics, Reports on Geodesy and Geoinformatics, Journal of Surveying and Mapping Engineering (JSME),