



GEORGE MELILLOS

Postdoctoral Researcher
Defence and Security Remote Sensing
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Dr George Melillos is Postdoctoral Researcher at the Department of Civil Engineering and Geomatics, Cyprus University of Technology. He has over 30 years' experience in IT and 10 years' experience in GIS. Moreover, he designs and delivers IT Seminars.

He holds Higher National Diploma (HND) in Military Science, Diploma in Computer Programming/Programmer, Higher National Diploma (HND) in Software Engineering, a B.Sc. (Hons) in Computing, an M.A (Master of Arts) in ICT and Education and PhD in Remote Sensing, GIS and Space Technology at Cyprus University of Technology.

He holds many professional certifications, including the Microsoft Certified Trainer (MCT), Microsoft Certified Application Developer (MCAD), Microsoft Certified Application Specialist (MCAS), Adobe Certified Associate (ACA) for Adobe Dreamweaver and Adobe Photoshop, ECDL Certified Trainer Professional (ECDL CTP), Certified Trainer of Vocational Training (EEK) ANAD, ISO/IEC 27001 Lead Implementer and Chartered Engineer (CEng).

He is a member of the Cyprus Computer Society, member (MBCS) of the British Computer Society (BCS) - The Chartered Institute for IT, member of SPIE (Society of Photo-Optical Instrumentation Engineers), member of IEEE (Institute of Electrical and Electronics Engineers), member of IEEE Geoscience and Remote Sensing Society Resource Center, member of The Cyprus Remote Sensing Society and member of Engineering Council UK as Chartered Engineer (CEng).

His research focuses on the detection of Buried Structures and Maritime Surveillance for security and safety in Cyprus using Remote Sensing, Space & GIS techniques.

He has published scientific publications in high prestigious journals, edited books and conference proceedings as main author. He won an international recognition, attending as speaker in several conferences/workshops, and organizing international workshops.

He is the author of two books: one for ECDL Web Editing – Using Adobe Dreamweaver and another one for ECDL Image Editing – Using Adobe Photoshop which have been approved by Ministry of Education of Cyprus, by Cyprus Computer Society and ECDL. These books are taught in schools (secondary education) in Cyprus.

Education:

- Higher National Diploma (HND) in Military Science,
- Diploma in Computer Programming/Programmer,
- Higher National Diploma (HND) in Software Engineering,
- B.Sc. (Hons) in Computing from University of Huddersfield,
- M.A (Master of Arts) in ICT and Education from University of Leeds,
- PhD in Remote Sensing, GIS and Space Technology from Cyprus University of Technology.

Research Interests:

Information Technology
Big Data Analytics
Remote Sensing
GIS
Space Technology
Defence and Security
Maritime Surveillance

Selected Publications:

- 📄 Melillos, G., Themistocleous, K., Agapiou, A., Michaelides, S., & Hadjimitsis, D. (2019). Detecting Underground Military Structures Using Field Spectroscopy. In *Military Engineering*. IntechOpen.
- 📄 Melillos, G., Agapiou, A., Themistocleous, K., Michaelides, S., Papadavid, G., & Hadjimitsis, D. G. (2019). Field spectroscopy for the detection of underground military structures. *European Journal of Remote Sensing*, 52(1), 385-399.
- 📄 Melillos, G., Agapiou, A., Michaelides, S., & Hadjimitsis, D. G. (2018). Monitoring military landscapes and detection of underground man-made critical infrastructures in Cyprus using Earth Observation. *Advances in Geosciences*.
- 📄 Melillos, G., Themistocleous, K., Papadavid, G., & Hadjimitsis, D. G. (2018). Detection of Military Underground Structures through the Remote Sensing Investigation of Phenological Cycle of Crops. *Advances in Remote Sensing*, 7(03), 235.
- 📄 Melillos, G., Themistocleous, K., Hadjimitsis, D. G. (2018). Thermal remote sensing approach combined with field spectroscopy for detecting underground structures intended for defence and security purposes in Cyprus. Invited Paper. Vol. 1062802 (22), SPIE Defense + Security, Orlando, Florida, United States. doi: 10.1117/12.2303835.
- 📄 Melillos, G., Themistocleous, K., Papadavid, G., Agapiou, A., Kouhartsiouk, D., Prodromou, M., & Hadjimitsis, D. G. (2017, May). Using field spectroscopy combined with synthetic aperture radar (SAR) technique for detecting underground structures for defense and security applications in Cyprus. In *Detection and Sensing of Mines, Explosive Objects, and Obscured Targets XXII* (Vol. 10182, p. 1018206). International Society for Optics and Photonics.