

Meropi Manataki

Curriculum Vitae

PERSONAL INFORMATION:

📍 Institute for Mediterranean Studies (IMS), Melissinou & Nikiforou Foka
130, P.O. Box. 119, Rethymno 74100, Crete, Greece

☎ (+30)2831053497

📠 (+30)6974245886

✉ mmanataki@gmail.com

Sex: Female

Date of birth: 29/05/1986

Nationality: Greek

RESEARCH INTERESTS:

Applied Geophysics -Archaeological Prospection
-Environmental Prospections
-Mapping and modeling
-Signal and Image Processing
-Data analysis

EDUCATION:

- 2013: - Msc in Geotechnology and the Environment,
Dept. of Mineral Resources Engineering,
Technical University of Crete, Greece
-Thesis: "*Development of Empirical Mode
Decomposition algorithms using MATLAB for
processing GPR data prospecting in
archaeological sites*" (Greek)
- 2011: -Diploma in Geophysics, Dept. of Mineral
Resources Engineering, Technical University of
Crete, Greece (5 years)
7,35/10
-Thesis: "*Contribution of GPR in mapping
buried artifacts- Application to Ancient Aptera
site, Chania*" (Greek)
- 2004: Graduate High School Kissamos Chania Crete
(17,1/20)

WORKING EXPERIENCE:

- October 2013 - Present: Research Associate
IMS F.O.R.T.H., Laboratory of Geophysical -Satellite Remote Sensing and Archaeo-environment
- Responsibilities
Geophysical surveys, Geophysical data processing and interpretation, technical reports
 - Projects participation
- **IGEAN**: Innovative Geophysical Approaches for the Study of Early Agricultural Villages of Neolithic Thessaly.
- **ArchaeoLandscapes Europe**: European multiannual project (2010-2015) -European Commission - Directorate General Education and Culture, Programme « Culture » (2007-2013).
- **WATERLEAKS**: Integrated use of Space, Geophysical, and Hyperspectral Technologies intended for Monitoring Water Leakages in Water Supply Networks in Cyprus.
- **ΚΡΗΠΙΣ-ΠΟΛΙΤΕΙΑ**: Νέες Τεχνολογίες στην Έρευνα, Μελέτη, Τεκμηρίωση και Πρόσβαση στην Πληροφορία Αντικειμένων Πολιτισμικής Κληρονομιάς και Μνημείων.
- 2010: Internship
25th Ephorate of Prehistory and Classical Antiquities - Aptera Archaeological Site (2 months)
- Responsibilities
GPR survey in various areas within the archaeological site, data processing and interpretation.
- 2008: Internship
Institute of Geology & Mineral Exploration (IGME), Dpt. Of Engineering Geology (2 months)
- Responsibilities
- Training in soil mechanics: sieve analysis, soil classification, shear tests and failure criteria.

LANGUAGES:

Greek: Native proficiency

English: Certification of Proficiency in English, University of Michigan, 2009

COMPUTING & SURVEYING SKILLS:

Scripting:	MATLAB
Geographic Information System:	ArcGIS 10.0
Geophysics Instrumentation:	-Sensors & Software Pulse Ekko 1000 & Noggin GPR -MALA MIRA (Imaging Radar Array) GPR -Magneto MX Sensys Magnetometer
Geophysics Software:	-Sensors & Software EKKO PROJECT 2, GFP Edit -MIRA Soft v.3.57.01 -Sensys MonMX, Magneto MX & DLMGPS
Graphics:	Adobe Photoshop, Voxler
Other:	Microsoft Office

PUBLICATIONS:

Journal paper	Manataki, M. , A. Vafidis, and A. Sarris. "Application of empirical mode decomposition methods to ground penetrating radar data." <i>First Break</i> 32.8 (2014): 67-71
Conference paper	Manataki, M. , A. Vafidis, and A. Sarris. "Evaluation of EMD-based Methods on GPR Data." <i>Near Surface Geoscience 2014-20th European Meeting of Environmental and Engineering Geophysics</i> . 2014.
Conference paper	Spanoudakis, N. S., Manataki, M. , Niniou-Kindeli, V., & Vafidis, A. P. (2011, October). GPR Imaging at Aptera Archaeological Site. In <i>6th Congress of Balkan Geophysical Society</i> .

GRANTS & AWARDS:

Technical University of Crete:	-Undergraduate Scholarship (2007, 2008) -Postgraduate Scholarship (2013)
--------------------------------	---

(UPDATED NOVEMBER 2014)