

CURRICULUM VITAE

PERSONAL INFORMATION

Full Name: **Dimitrios Oikonomou**
Date of birth: 05. 04. 1982
Place of birth: Thessaloniki
Contact Phone: +30 6945025778
E-mail: doikonom@geo.auth.gr , doikonomou@ims.forth.gr
Nationality: Greek
Military Obligations: Completed August 2008

RESEARCH INTERESTS

Applied Geophysics, Development of Algorithms for Joint inversion of geophysical data, Seismic tomography, Urban Geophysics, Marine Geophysics, Integration of Geophysical Methods for Geotechnical, Environmental and Archaeological applications

EDUCATION

2017- present: PhD candidate in Applied Geophysics, School of Geology, Aristotle University of Thessaloniki, Greece
2015-2017: MSc in Applied Geophysics, School of Geology, Aristotle University of Thessaloniki, Greece (Msc Degree:9.58/10)
2000-2008: BSc in Geology, School of Geology, Aristotle University of Thessaloniki, Greece (Bachelor Degree:6.54/10)

THESIS

- “Contribution to the joint application of seismic and geoelectrical tomographic methods”-Master Thesis, A.U.Th, Thessaloniki
- “Seismic monitoring of volcanoes: Case of Santorin” – Diploma Thesis, A.U.Th., Thessaloniki.

CURRENT POSITION

2017-present: Phd Fellow, GeoSat ReSeArch Lab, IMS-FORTH

PREVIOUS POSITION

8/2015-01/16: Geologist at the municipality of Nea Propontida, Chalkidiki, Greece

FELLOWSHIP

Phd Fellowship by “Stavros Niarchos Foundation – FORTH Fellowship” within the project ARCHERS

EXPERIENCE WITH GEOPHYSICAL INSTRUMENTATION & SOFTWARES

Programming in C, Fortran & MATLAB

Instruments: StrataView Geometrics, RM15, Syscal Pro, Lippmann 4point light 10W, City Shark, Mala GPR, Sensys Multichannel Cart based Gradiometer, GPS/D-GPS equipment

Softwares: Seisimager, Seismic Unix, Res2DINV, Res3DINV, DC_2DPRO, EarthImager2D, EarthImager3D, SURFER, Voxler, OasisMontaj, ArcGIS, Associated Softwares with respective instrumentation

PUBLICATION

Gabor, B., Papadopoulos, N., **Oikonomou, D.**, Was there a castle in Csaba?" - Geophysical investigation of a destroyed castle, Destroyed castles, forgotten temples - Archeological Conference, Szeged, Friday, September 27, 2019

D. Oikonomou, N. Papadopoulos, K. Simyrdanis, G. Cantoro, J. Beck, M. H. Loke, *Processing Strategies for 3-D Marine Dynamic Electrical Resistivity Tomography Data*, 13th international conference on archaeological prospection, Sligo, Ireland, 28 august - 1 September 2019

N. Papadopoulos, **D. Oikonomou**, N. Argyriou, G. Kritikakis, C. L. Papakosta, *3-D Electrical Resistivity Tomography in an Urban Environment: the case of Shallalat Gardens, Alexandria, Egypt*, 13th international conference on archaeological prospection, Sligo, Ireland, 28 august - 1 September 2019

N.Papadopoulos, **D. Oikonomou**, G. Cantoro, N. Andronikidis, A. Sarris, *3-D Resistivity Imaging of Rock-Cut Chamber*

Tombs: the case of the Mycenaean Cemetery in Prosilio, Greece, 13th international conference on archaeological prospection, Sligo, Ireland, 28 august - 1 September 2019

G. Strapazzon, **D. Oikonomou**, E. Alevizos, K. Simyrdanis, M. Küçükdemirci, A. Sarris, *Archaeological guidelines for geophysical survey in the urban environment*, 13th international conference on archaeological prospection, Sligo, Ireland, 28 august - 1 September 2019

Nikos Papadopoulos, Kleanthis Simyrdanis, Gianluca Cantoro and **Dimitris Oikonomou**, ARCHAEOLOGICAL PROSPECTION ON THE TRANSITION ZONES: EXAMPLES FROM SHALLOW SUBMERGED SITES IN EASTERN MEDITERRANEAN, Annual meeting 2019 of DEGUWA, Contact Zones: Archaeology between Water and Land Coasts, lake and river shores, Bodrum 10-14 April 2019.

Gianluca Cantoro, Nikos Papadopoulos, Kleanthis Simyrdanis, **Dimitris Oikonomou**, Rapid archaeological mapping in shallow water contexts: the contribution of low-end equipment and photogrammetry. Annual meeting 2019 of DEGUWA, Contact Zones: Archaeology between Water and Land Coasts, lake and river shores, Bodrum 10-14 April 2019.

Sarris, A., Chliaoutakis A., Argyriou L., Argyriou A., Papadopoulos G.N., Cantono G., Manataki M., Papadopoulos S.N., **Oikonomou D.**, Tzigounaki A., Giapitsoglou K., Kontogianni V., Antonaki P., Karamaliki E., Zouzoula E., Alertas N., Technological approaches for monitoring the integrity of Historical Monuments: Medieval Towns as a study case, INTERNATIONAL CONFERENCE ON «CUTTING-EDGE TECHNOLOGIES IN ANCIENT GREECE II: THE DODECANESE ISLANDS UNDER THE MICROSCOPE». University of the Aegean, Rhodes 11 – 13 January 2019.

M. Manataki, A. Sarris, **D. Oikonomou**, K. Simirdanis, G. Strapazzon, P. Trapero Fernández, *Contribution of GPR method in monitoring and evaluating the conservation state of Fortezza, Rethymno, Greece*, 17th International Conference on Ground Penetrating Radar (GPR), Rapperswil, Switzerland, June 18-21 2018

M. Anthymidis, C. Papazachos, M. Ohrnberger, **D. Oikonomou**, A. Savvaidis, N. Theodoulidis, G.Vargemezis and P.Tsourlos, *Generating 3D Vs models in urban environments from ambient noise tomography and combined MASW/ERT investigations: The case of the city of Thessaloniki (Northern Greece)*, 16th European Conference On Earthquake Engineering (ECEE), Thessaloniki, Greece, 18-21 June 2018.

Sarris, A., Chliaoutakis, A., Argyriou, L., Argyriou, A., Papadopoulos, G. N., Cantoro, G., Manataki, M., Papadopoulos S. N., **D. Oikonomou**, A. Tzigounaki, K. Giapitsoglou, V. Kontogianni, B. Antonaki, P. Karamaliki, E. Zouzoula, N. Alertas. Innovative Strategies for the Protection and Conservation of the Cultural Fabric of the Historical Town of Rethymno, Crete. XVIII° UISPP World Congress in Paris (4-9 June 2018).

Sarris, A., Chliaoutakis, A., Argyriou, L., Argyriou, A., Papadopoulos, G. N., Cantoro, G., Manataki, M., Papadopoulos S. N., **D. Oikonomou**, Tzigounaki, A., Giapitsoglou, K., Antonaki, B., Karamaliki, N., Zouzoula, E., Kontogianni, V. (2018). Towards an Integrated Methodology for the Hazard Assessment and Monitoring of the Monuments of the Town of Rethymno, Crete, CAA 2018, Human History and Digital Future, Tübingen, 19-23 March 2018.

Book Chapters

Andrei Borissovitch Utkin (Ed.), LEMONIA Argyriou, Vasco Bexiga, Francesca Boldrighini, Gianluca Cantoro, Paulo Chaves, Myronas Drygiannakis, Kostas Giapitsoglou, Giulia Governatori, Meropi Manataki, Stefano Marsella, Marcello Marzoli, **Dimitris Oikonomou**, Nikos G. Papadopoulos, Ulderico Santamaria, Apostolos Sarris, Anastasia Tzigounaki, Eren Uckan, Georgios Vlachakis, Robert James Williamson, Bulent Akbas, Ferit Cakir, (2019). Advanced sensing and information technologies for timely artefact diagnosis, Cultural Heritage Resilience Against Climate Change and Natural Hazards, Methodologies, Procedures, Technologies and Policy improvements achieved by Horizon 2020 - 700191 STORM project, Edited by Vanni Resta, Andrei B. Utkin, Filipa M. Neto, and Charalampos Z. Patrikakis, 89-142

Technical Reports

Nikos Papadopoulos and Dimitris Oikonomou, Electrical Resistivity Tomography Geophysical Investigations in selected areas in Békéscsaba, Hungary, 2019. Institute for Mediterranean Studies - Foundation for Research &

Technology (F.O.R.T.H.), Rethymno, Crete, July 26th, 2019.

Nikos Papadopoulos, Dimitris Oikonomou, Kleanthis Simyrdanis, Gianluca Cantoro. Underwater Geophysical Investigations at Lambayanna and Franchthi, Argolida, 2018. Institute for Mediterranean Studies - Foundation for Research & Technology (F.O.R.T.H.), Rethymno, Crete, March 29th, 2019.

Nikos Papadopoulos, Dimitris Oikonomou, Nasos Argyriou. Geophysical Investigations in the Shallalat Gardens, Alexandria, Egypt. Institute for Mediterranean Studies - Foundation for Research & Technology (F.O.R.T.H.), Rethymno, Crete, April 23rd, 2018

Nikos Papadopoulos, Dimitris Oikonomou, Gianluca Cantoro, Apostolos Sarris. Technical report for the geophysical investigation in the prehistoric cemetery of Prosilio, Boeotia Institute for Mediterranean Studies - Foundation for Research & Technology (F.O.R.T.H.), Rethymno, Crete, April 11th, 2018.

PARTICIPATION IN RESEARCH PROJECTS

- Geophysical Investigations in Shallalat Gardens, Alexandria, Egypt, 2017, GeoSat ReSeArch Lab, IMS-FORTH
- 3D electrical resistivity tomography for the detection of tombs, Prosilio, Boeotia, Greece, 2017, GeoSat ReSeArch Lab, IMS-FORTH

FIELDWORK EXPERIENCE

- Participation in Geophysical Prospection Surveys for archaeological, environmental, geotechnical and hydrogeological applications.

Indicative list: Skouries, Chalkidiki (Project: Geophysical measurements of electric resistivity tomography both in surface and cross-hole, to contribute in hydro-geological investigation, Resp.: P. Tsourlos), **Skouries, Chalkidiki** (Project: Geophysical measurements by side of Asprolakas River (Chalkidiki) for locating fracture zones, Resp.:G. Vargemezis), **Kalamaria, Thessaloniki** (A.U.Th., Greece), **Amphipolis, Serres** (A.U.Th., Greece), **Vourinos, Grevena** (A.U.Th., Greece), **Komotini, Kavala, Kozani, Kilkis** (A.U.Th., Greece)

PROFESSIONAL MEMBERSHIPS

2008-present: Geotechnical chamber of Greece

GENERAL INFORMATION

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Sailing Boat License