

## PERSONAL INFORMATION

**SURNAME:** VASSILIOS

**NAME:** ANDRITSANOS

**DATE OF BIRTH** 30 MAY 1973

**PLACE OF RESIDENCE** ATHENS

**e-mail** [vdandrit@uniwa.gr](mailto:vdandrit@uniwa.gr)

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## CURRENT POSITION(S)

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**12.2016 - 02.2020**

**Associate Professor**

Department of Surveying and Geoinformatics Engineering, University of West Attica, Greece

## PREVIOUS POSITION(S)

*Please add previous research position(s)/experience starting with the most recent.*

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**07.2014 - 12.2016**

**Assistant Professor**

Department of Surveying and Geoinformatics Engineering, University of West Attica, Greece

**08.2010 - 07.2014**

**Assistant Professor – Tenure track**

Department of Surveying and Geoinformatics Engineering, University of West Attica, Greece

**03.1999 - 10.1999**

**Research Associate**

Department of Geomatics Engineering, The University of Calgary, Alberta, Canada

## EDUCATION

*Please add separate sections for each degree starting with the most recent.*

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**12.1996 - 05.2000**

Department of Geodesy and Surveying, Aristotle University of Thessaloniki, Greece, Thesis title: "Optimal combination of terrestrial and satellite data using spectral methods in Geodesy and Oceanography applications", PhD.

**10.1991 - 07.1996**

Department of Geodesy and Surveying, Aristotle University of Thessaloniki, Greece, Thesis title: "Local geoid optimization using gravity, topography, density and GPS data through FFT and GIS software", Diploma Thesis.

## PUBLICATIONS

*Please add the most important publications and highlight those related to the subject of the proposed research project (if any).*

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- Title, Author(s), Journal, Volume, Pages, Year, DOI (Number and Link)
  - **Andritsanos, V.D., V.N. Grigoriadis, G.S. Vergos, V. Pagounis and I.N. Tziavos (2015):** GOCE/GRACE GGM evaluation over Attica and Thessaloniki, Greece and local geoid modeling in support of height unification. *South-Eastern European Journal of Earth Observation and Geomatics*, vol. 4, pp. 105 – 122.
  - **Andritsanos, V.D., O. Arabatzi, M. Gianniou, V. Pagounis, I.N. Tziavos, G.S. Vergos and E. Zacharis (2016):** Comparisons of Various GPS Processing Solutions towards an Efficient Validation of the Hellenic Vertical Network: The ELEVATION Project. *Journal of Surveying Engineering*, vol. 142(1), article no 04015007. [http://dx.doi.org/10.1061/\(ASCE\)SU.1943-5428.0000164](http://dx.doi.org/10.1061/(ASCE)SU.1943-5428.0000164)
  - **Vergos, G.S., V.D. Andritsanos, V.N. Grigoriadis, V. Pagounis and I.N. Tziavos (2016):** Evaluation of GOCE/GRACE GGMs over Attica and Thessaloniki, Greece, and Wo determination for Height System Unification. *International Association of Geodesy Symposia* vol. 144, pp. 101 - 109, Springer editions, [http://dx.doi.org/10.1007/1345\\_2015\\_53](http://dx.doi.org/10.1007/1345_2015_53)
  - Pagounis V., M. Tsakiri, V. Zacharis, V. D. Andritsanos and M. Tsiardaki (2016): Detection of geometric changes for an historical theatre by comparing surveying data of different chronological periods. *Journal of Cultural Heritage*, vol. 21, September – October 2016, pp. 860 – 868, <http://dx.doi.org/10.1016/j.culher.2016.02.004>, Elsevier eds.
  - **Andritsanos, V. D. and I. N. Tziavos (2016):** Quasi-stationary SST estimation in the Eastern Mediterranean Sea using marine gravity, GOCE/GRACE gravity information and recent altimetry missions through the Multiple Input Multiple Output System Theory. Presented at the ESA Living Planet Symposium 2016, May 9 – 13, Prague, Czech Republic. European Space Agency Special Report, vol. SP-740
  - **Andritsanos, V. D., V. N. Grigoriadis, D. A. Natsiopoulos, G. S. Vergos, T. Gruber and T. Fecher (2017):** GOCE variance and covariance contribution to height system unification. Presented at the 1<sup>st</sup> Joint Commission 2 and IGFS Symposium, September 19 – 23, Thessaloniki. *International Association of Geodesy Symposia*. Springer eds. [https://doi.org/10.1007/1345\\_2017\\_12](https://doi.org/10.1007/1345_2017_12)
  - **Andritsanos, V. D., O. Arabatzi, V. Pagounis and M. Tsakiri (2017):** Quality control of height benchmarks in Attica, Greece, combining GOCE/GRACE satellite data, global geopotential models and detailed terrain information. Presented at the 1<sup>st</sup> Joint Commission 2 and IGFS Symposium, September 19 – 23, Thessaloniki. *International Association of Geodesy Symposia*. Springer eds. [https://doi.org/10.1007/1345\\_2017\\_7](https://doi.org/10.1007/1345_2017_7)
  - **Andritsanos V. D. and I. N. Tziavos (2017):** Spectral analysis and validation of Multiple Input / Multiple Output DOT estimation in the Eastern Mediterranean Sea. Presented at the 1<sup>st</sup> Joint Commission 2 and IGFS Symposium, September 19 – 23, Thessaloniki. *International Association of Geodesy Symposia*. Springer eds. [https://doi.org/10.1007/1345\\_2017\\_10](https://doi.org/10.1007/1345_2017_10)

## CONFERENCES/WORKSHOPS/etc.

*National, international scientific conferences, workshops, summer schools, educational seminars, etc. in chronological order, starting with the most recent.*

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- Conference Name, Title, Date, Location
  - Pagounis V., M. Tsakiri, V. Zacharis, V. D. Andritsanos and M. Tsiardaki (2016): Detection of geometric changes for an historical theatre by comparing surveying data of different chronological periods. *Journal of Cultural Heritage*, vol. 21, September – October 2016, pp. 860 – 868, <http://dx.doi.org/10.1016/j.culher.2016.02.004>, Elsevier eds.
  - **Andritsanos, V.D., M. Gianniou, V. Pagounis and M. Tsakiri (2015):** 3D Heritage Recording Using Terrestrial Laser Scanning Techniques. Presented at the International Conference “Science in Technology” SCinTE 2015, November 5 – 7, Athens, Greece. To appear in the Proceedings.

**MEMBERSHIPS & REVIEWING ACTIVITIES** *(if applicable)*

- 1996 - today** Member, Technical Chamber of Greece.
- 1996 - today** Member, Greek Society of Rural and Surveying Engineers.
- 1999 - today** Member (Associate), International Association of Geodesy.
- 2002 - today** Member, American Geophysical Union.
- 2002 - today** Member, European Geophysical Union.
- 1999 - 2003** Member IAG Special Study Group 3.167 “Regional continental and marine geoid estimation”. President: Ilias Tziavos. <http://olimpia.topo.auth.gr/ssg3167>
- 1999 - 2003** Member, IAG Special Study Group 3.186 “Altimetry data elaboration for geoid and sea surface topography estimation”. President: Cheinway Hwang. <http://space.cv.nctu.edu.tw/IAG/main.html>
- 1999 - 2003** Member, IAG Special Study Group 4.191 “Height systems fundamentals”. President: Christopher Jekeli. <http://www-ceg.eng.ohio-state.edu/~cjekeli/ssg4-191.htm>
- 2010 - today** Reviewer, Journal of Geodesy, Springer eds.
- 1999 - 2002** Reviewer, Physics and Chemistry of the Earth, Elsevier eds.
- 2000 - today** Reviewer, International Association of Geodesy Lecture Notes in Earth Sciences. Springer eds.
- 2015 - today** Reviewer, Journal of Surveying Engineering, American Society of Civil Engineers (ASCE) eds.
- 2016 - today** Reviewer, South-Eastern European Journal of Earth Observation and Geomatics, e-ISSN:2241-1224. <http://ejournals.lib.auth.gr/seejeog/index>
- 2016 - 2018** Evaluator, European Space Agency proposal GOCE+++.
- 2018 - 2018** Evaluator, Postdoctoral Research Proposals, HFRI.

**TEACHING ACTIVITIES** *(if applicable)*

- 2008 – 2017** Lead instructor – Geodesy, Undergraduate course, Technological Educational Institute of Athens, Greece
- 2008 – 2017** Lead instructor – Construction Surveying, Undergraduate course, Technological Educational Institute of Athens, Greece
- 2008 – 2017** Lead instructor – Surveying Network and Computations, Undergraduate course, Technological Educational Institute of Athens, Greece
- 2011 – 2012** Lead instructor – Field Surveying, Undergraduate course, Technological Educational Institute of Athens, Greece
- 2010 – 2010** Visiting professor – Lectures “Height Systems – New evolutions and prospective”, “Geoid studies in Greece – History, results and open cases”, Faculty of Civil Engineering and Geodesy, University of Ljubljana, Slovenia
- 2011 – 2011** Visiting professor – Lectures “Introduction to geoid estimation methods”, “Geoid studies in Greece”, Faculty of Geodesy, Technical University of Civil Engineering, Bucharest, Romania
- 2012 – 2012** Visiting professor – Lectures “Height systems theory”, “Height systems applications, Faculty of Architecture and Civil Engineering, Szent Istvan University of Budapest, Hungary
- 2017 – 2019** Lead instructor – Surveying - Introduction to Earth’s gravity field, School of Surveying, Hellenic Army Geographic Service, Athens, Greece

**TEACHING ACTIVITIES** *(if applicable)*

- 2008 – 2017** Lead instructor – Geodesy, Undergraduate course, Technological Educational Institute of Athens, Greece
- 2017 today** – Lead instructor – Geometrical Geodesy, Undergraduate course, University of West Attica, Athens, Greece
- 2017 today** – Lead instructor – Physical Geodesy, Undergraduate course, University of West Attica, Athens, Greece
- 2017 today** – Lead instructor – Space Geodesy, Undergraduate course, University of West Attica, Athens, Greece
- 2017 today** – Lead instructor – Gravimetry, Undergraduate course, University of West Attica, Athens, Greece
- 2017 today** – Lead instructor – Surveying Networks and Computations, Undergraduate course, University of West Attica, Athens, Greece
- 2016 today** – Lead instructor – Signal analysis applications in Geodesy, Postgraduate course, University of West Attica, Athens, Greece
- 2016 today** – Lead instructor – Height estimation and GNSS, Postgraduate course, University of West Attica, Athens, Greece

**SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS** *(if applicable)*

- 2016 - today** 4 Master Students  
University of West Attica, Athens, Greece

**FELLOWSHIPS and AWARDS** *(if applicable)*

- 1999 - 1999** Award of excellence in Geodetic Studies (D. Lambadarios award), Academy of Athens, Greece
- 1997 - 2000** Scholarship for PhD studies, National Scholarship Foundation, Greece
- 1991 - 1996** Scholarship, National Scholarship Foundation, Greece
- 1994 - 1996** Award, Technical Chamber, Greece

**RESEARCH GRANTS** *(if applicable)*

*Please add indicative research projects (international or national) in which you have participated or participated (in any role).*

Project Title	Funding source	Period	Role of the PI
ModernGravNet	HFRI	2020 – 2023	Member of the Research Team
GOCE for height system unification and dynamic ocean topography determination in the Mediterranean Sea – GOCEMed	DAAD – National Scholarship Foundation	2016 – 2018	Member of the Research Team
Contemporary surveying technologies for public environmental studies	General Secretariat of Research and Technology	2013 – 2015	PI for the Technological Educational Institute of Athens Team
Height system evaluation in the frame	Archimidis III –	2012 – 2014	Member of the Research

of European systems unification – Application in Attica and Thessaloniki	Enhancement of Research Teams at the Technological Educational Institutes		Team
SyNaRMa – Development of an Information System for Natural Risk Management in the Mediterranean	INTEREG III	2006 – 2007	Member of the Research Team
Gravity field modeling in local and regional scale with the combination of terrestrial and satellite data	PYTHAGORAS II – Enhancement of Research Teams at the Universities	2005 – 2006	Member of the Research Team
GAVDOS: Establishment of a European radar altimeter calibration and sea-level monitoring site for JASON, ENVISAT and Euro-GLOSS	European Union Energy, Environment and Sustainable Development Program	2001 – 2004	Member of the Research Team
Optimal Combination of Terrestrial and Altimetric Data with Data from the New Satellite Missions of CHAMP and GOCE for accurate determination of the gravity field	European Union FP3 – International Scientific and Technological Cooperation – Act 4.3.6.1	2003 – 2005	Member of the Research Team
Geoid studies using terrestrial and satellite data for areas of geophysical and geodynamical peculiarities	Aristotle University of Thessaloniki Research Committee	2000 - 2004	Member of the Research Team
The synergistic use of multi-sensor remote sensing for monitoring of the Earth's surface and atmospheric parameters	GEOIDE Network of Excellence – NCE – Canada	1999	Member of the Research Team