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Top Skills

GPS
Geomatics
Surveying

Languages

Greek (Native or Bilingual)
French (Elementary)
German (Professional Working)
English (Full Professional)

Certifications

Surveyor Engineer

Honors-Awards

Best Student Poster Award
Research Scholarship
Undergraduate Scholarship
Award of Excellence
Honorary Certification

Publications

Scale error inconsistencies in
classical geodetic networks via
GNSS baselines

Mouratidis, A. D. Ampatzidis and D.
Terzopoulos (2013). Digital Elevation
Models derived from space-based
observations: Advances and
potential for geomorphological
studies (presentation)

Use of RTK baselines for positioning
in old low-accuracy classical datums:
A case study for the old Greek
Datums

Dr.-Ing. Dimitrios Ampatzidis

Assistant Professor Department of Surveying and Geomatic
Engineers at the International Hellenic University

Greece

Summary

Dr. Dimitrios Ampatzidis was born in Drama at Nov. 1983. He finished his secondary-level education (1st Lyceum of Drama at 2001).

He studied at the School of Rural and Surveying Engineer at the Aristotle University of Thessaloniki (2001-2006) and graduated with a score of 7.84/10.0 (ranked among the highest 10% graduating students of 2006). He received an annual scholarship from National Scholarship Foundation for the academic year 2004-05 (achieving the highest rank among all fellow-students of the School).

On October of 2006 he entered the Postgraduate program "Modern Geodetic Application" at the Department of Geodesy and Surveying (School of Rural and Surveying Engineer). He received his Master with "Honors" (score: 9.00/10.0). On January of 2008 he was nominated as PhD Candidate of the same Department. On June of 2011 he defended his PhD thesis: "Study for the optimal Geodetic Reference System realization in the Hellenic Area" in front of the Examination Committee ("Honors").

During his PhD studies he received scholarship from the Research Committee of Aristotle University of Thessaloniki (Scholarship for PhD Students, academic year 2010-11). The main idea of his PhD won the "Best Student Poster Award" from the EUREF Symposium on May of 2011 (Chisinau, Moldova). He was also awarded for his Excellent Scientific Achievement from the Aristotle University of Thessaloniki.

He served his obligatory military service (Feb. - Oct. 2012) at the Corps of Engineer (737 Directorate of Military Works-Thessaloniki). During his service he was Leader of a small group of privates responsible for geodetic, surveying, cartographic and hydraulic

Local Geodetic Reference Frame in areas with intense geophysical behavior: General overview, main objective, alternative strategies and remarks on its realization: The case of the Hellenic area

Ampatzidis, D., N. Kalamakis, K. Katsambalos and C. Kotsakis (2010): Alternative methods for the assimilation of rural areas referring to the old datum to the HGRS 1987 (Hellenic Geodetic Reference System of 1987). Presented to the 3rd conference of the G

studies (for the needs of the Hellenic Army General Staff in Thessaloniki and Evros Prefectures).

From Oct. 2006 he participates in numerous surveying and geodetic studies, either as Surveyor Engineer, or as Consultant. He worked as Research Associate at the Space Geomatica (Chania Crete, Sept. 2013-May 2014) and as Technical Consultant at the Rural Association of Chalkidiki (Nea Moudania May 2014-Sept. 2017). He worked as Research Associate at the German Center for Geoscience (GFZ Sept. 2014-Dec. 2016). From Jan. 2017 to Sept. 2021 worked as Research Associate at the German Federal Agency for Cartography and Geodesy (BKG).

From Dec. 2021 he serves as Assistant Professor of Geodesy and Positioning at the International University of Thessaloniki in the Department of Surveying and Geomatics Engineers.

Experience

International Hellenic University
Assistant Professor
December 2021 - Present (4 months)
Serrai, Central Macedonia, Greece

Federal Agency for Cartography and Geodesy (Bundesamt für Kartographie und Geodäsie-BKG)
Research Associate
January 2017 - December 2021 (5 years)
Combination of space techniques for the realization of global Terrestrial Reference Frame (TRF)

GFZ-Potsdam
Research Associate
September 2014 - January 2017 (2 years 5 months)
Wessling, Munich

-GGOS simulation
-Gravity field
-Adjustment Theory

Rural Association of Chalkidiki Prefecture

Surveyor Engineer

May 2014 - September 2014 (5 months)

Nea Moudania, Chalkidiki

Surveying and Cadastral Applications. GIS rural applications. Photo images interpretation. Datum transformations and stakeouts.

Space Geomatica Ltd

Research and Development

October 2013 - April 2014 (7 months)

Chania, Greece

Participation on Research programs in Geodetic Science (Altimetry, Geostatistics, GNSS applications)

Consultant Surveying Engineer and Teaching Assistant

Senior Consultant

February 2008 - September 2013 (5 years 8 months)

Northern Greece

-Consultant to many private companies for precise geodetic studies, especially for GNSS networks, datum transformations, deformation monitoring.

-Teaching in private educational organizations: Linear Algebra, Adjustments, Statistics, Analytical Geometry

Hellenic Army

Special Team of the Corps of Engineer

February 2012 - October 2012 (9 months)

Thessaloniki, Greece

Private of the Hellenic Army, member of Special Team working on army and civil works. Responsible for any geodetic, surveying and cartographic applications. Establishing and solving any type of geodetic network. GPS and GIS applications.

Research Team

Member

September 2010 - January 2012 (1 year 5 months)

Department of Geodesy and Surveying

Studying the problem of coordinate transformation between old Greek datum and the modern Terrestrial Reference Frames (ITRF, ETRS89)

private sector

Consultant Engineer

June 2008 - January 2012 (3 years 8 months)

Thessaloniki, Drama

Responsible for solving problems in cases of precise triangulations, precise leveling, calibrations, datum transformations, GPS processing and cartographic applications.

Department of Geodesy and Surveying AUTH

Research and Teaching Assistant

January 2008 - January 2012 (4 years 1 month)

Thessaloniki, Greece

- Study leveling network in Greece
- Geoidal computations in the Hellenic Area
- Geodynamics in Eastern Mediterranean
- Precise GPS and classical networks
- Deformation analysis
- Adjustment applications
- Datum transformations
- Co-supervisor of Diploma and MSc. Thesis

Department of Geodesy and Surveying, AUTH

Teaching Assistant

September 2006 - January 2012 (5 years 5 months)

Thessaloniki, Greece

- 2006 to 2012 Responsible (as a member of a group) for learning GPS utilization to undergraduate students. (5th and 9th semester)

-2010-11 Teaching assistant in the postgraduate program

-2006 to 2012 Teaching assistant in the course "Surveying Networks and Computations"

EUREF symposium

participant

May 2011 - May 2011 (1 month)

-Winner of the "Best Student Poster Award"

Participation in University's research programs

Researcher

September 2008 - May 2009 (9 months)

Establishing of GPS CORS network HE.PO.S

(Hellenic Positioning Systems) in Greece. Processing height data (from leveling, GPS and Global Geopotential Models. Quality assessment on country's leveling network and height systems. Responsible academic staff: Professor K. Katsambalos and Associate Professor Kotsakis

Dec 2004-Jan. 2005: Water distribution pipe allocation in Municipality of Chalastra, Greece. GPS measurements and processing.

private companies

surveyor

May 2004 - November 2008 (4 years 7 months)

Thessaloniki and Drama, Greece

-field applications

-geodetic monitoring

-GPS applications

-coordinates' transformation

University project

undergraduate student as Surveyor Trainee

May 2004 - September 2005 (1 year 5 months)

-Handling GPS and classical measurements for surveying purposes

Education

Aristoteleion Panepistimion Thessalonikis

PhD, Geodesy · (2008 - 2011)

University of Bern (Official)

Certificate, GNSS · (2017 - 2017)

Department of Geodesy and Surveying

MSc; Diploma as a Rural and Surveying Engineer, Geodetic

Science · (2006 - 2007)

Aristotle University of Thessaloniki (www.auth)

Diploma of Rural and Surveying Engineer, Surveying

Engineering · (2001 - 2006)

1st Lyceum of Drama

High School, General Studies · (1998 - 2001)

