

PERSONAL INFORMATION

Florin NACHE



📍 60, Carol I Blvd, Bucharest, Postal code 920205, Romania

☎ +40 762.635.191

✉ NacheFlorin@yahoo.ro

✉ Florin.nache@gg.unibuc.ro

Sex Male | Date of birth 07/09/1989 | Nationality Romanian

POSITION

PREFERRED JOB

Geodetic Engineer

STUDIES APPLIED FOR

WORK EXPERIENCE

October 2020 – Present

Scientific Researcher

University of Bucharest, Faculty of Geology and Geophysics, no. 6, Traian Vuia street, Bucharest, Romania.

- Geothermal energy sources identification after joint interpretation of geo-data from the Baia Mare area (Geysir-BaiaMare). project code 34328.

September 2020– Present

Technical Manager

GEODATA SERVICES, no. 1, Tăbliței street, Bucharest, Romania.

- Head of GIS Implementation.

August 2019 – September 2020

Geodetic Engineer

GEODATA SERVICES, no. 1, Tăbliței street, Bucharest, Romania.

- Head of GIS Implementation.

October 2016 – Present

Assistant Lecturer

University of Bucharest, Faculty of Geology and Geophysics, no. 6, Traian Vuia street, Bucharest, Romania.

- Teaching activities focused on topography, geodesy and GNSS, photogrammetry, remote sensing, Geographic Information Systems.

July 2014 – August 2019

Geodetic Engineer

Cornel&Cornel Topoexim, no. 31, Vidra street, Bucharest, Romania.

- General cadaster, realizing the field measurements and office work for the administrative territorial units: Telciu (may – august 2015) and Lunca Ilvei (july - september 2014, april – may 2015), Bistrița-Năsăud county; Bustuchin (september - november 2015), Gorj county, Ciugud (november 2016) and Sântimbru (december 2016), Alba county.

Curriculum Vitae

- Planning and realizing the aerophotogrammetrical flight missions for U.A.V. systems, premarking the ground control points and realizing the main photogrammetric products (orthophoto, digital elevation model) for: Caransebeş – Arad railway (may – june 2016), Baia Mare Internațional Airport (august 2016) and the build-up area of the following administrative territorial units: Ghelari (february - march 2016), Hunedora county; Telciu (october 2015), Bistrița-Năsăud county; Tulca (april 2016), Bihor county; Sântimbru and Ciugud (march – april 2016), Alba county.
- Realizing the General Urban Plan for the following administrative territorial units: Brastavățu (august 2014), Rusănești (august 2014), Teslui (september 2014), Olt county; Tormac (october 2015), Timiș county; Petricani (October 2015), Neamț county; Albești (november 2015), Constanța county; Moieciu (november 2015), Brașov county.
- Realizing the survey plan for the Faculty of Sociology and Social Work. University of Bucharest (july 2014).
- Realizing the topographic measurements and cadaster work for the following railway segments: Reșița – Fizeș (december 2015), Ineu – Ocișor (january 2016), Galați – Tulucești (april 2016).
- EUROCONTROL Terrain and Obstacle Data for Mihail Kogalniceanu International Airport Constanta (december 2014).
- Realizing EUROCONTROL Terrain and Obstacle Data topographic measurements for: Iași International Airport (november 2014), Henri Coandă International Airport Bucharest (december 2014).
- Realizing the topographic measurements and survey plans for the power lines of oil wells, OMV Petrom, ASSET VIII – Moldova Nord (october – november 2014, january – april 2015).
- Feasibility study for the modernization of Caransebeş – Timișoara - Arad railway (january – february 2017).
- Monitoring the horizontal and vertical displacements of dams. SH HAȚEG (february – june 2017) and SH RÂMNICU VÂLCEA (november 2016 - april 2017).
- Realizing Orthophoto and vector map. ENGIE ROMANIA S.A. (august 2017- March 2019)
**Project manager*

EDUCATION AND TRAINING

2016 – present **Doctor of Philosophy (PhD)**

University of Bucharest, Faculty of Geology and Geophysics, Bucharest, Romania.
“THE REALIZATION OF FINAL PHOTOGRAMMETRIC PRODUCTS USING DATA ACQUIRED WITH UAV (UNMANNED AERIAL VEHICLE) AND THE USE IN GEOLOGY”

2013 – 2015 **Master’s Degree (MBA)**

Technical University of Civil Engineering, Faculty of Geodesy. Master in Geomatics, Bucharest, Romania.

2009 – 2013 **Bachelor Degree (BA)**

Technical University of Civil Engineering, Faculty of Geodesy. Terrestrial Measurements and Cadaster, Bucharest, Romania.

2004 – 2008 **College Degree**

Technical College „Anghel Saligny”, Bucharest, Romania.

Curriculum Vitae

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	B2
French	A1	A1	A1	A1	A1
German	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Sociable and good communication skill.

Organisational / managerial skills

- Team player with a great organizational skills.

Digital competence

- Great computer hardware skills.
- Experience in working with the following softwares:
 - Agisoft PhotoScan;
 - ArcGIS;
 - AutoCAD;
 - ERDAS Imagine;
 - Global Mapper;
 - Leica XPro;
 - Microsoft Office (Word, Excel, Acces, PowerPoint);
 - Mission Planner;
 - OrthoVista;
 - Photoshop;
 - Surfer;

Other skills

- Experience working with classical and digital geodetic instruments.
 - Classic level (Zeiss Ni 050, Ni 035, Ni 007, Ni 004, Ni 002)
 - Digital level (Leica sprinter 250M, Leica DNA 03)
 - Theodolite (Zeiss Theo 010, 020)
 - Total station (Leica 403, TS 02, TS 06 Plus; Stonex R2)
 - GNSS receiver (Leica Viva GS08, system 900; Topcon HiPer V; Trimble R4; Stonex A10)
 - Laser Scanner (FARO X130, Velodyne Puck VLP 16)
 - Gravimeter (Scintrex CG-5)
- U.A.V. (Unmanned Aerial Vehicle) flight training.

Organizations

- Member of Romanian Society of Photogrammetry and Remote Sensing (2013 - present)
- Romanian Geodetic Union – District 6, Bucharest. President of the censor board (2014 - 2018)
- Romanian Geodetic Union – District 6, Bucharest. Vice President (2018 - present)

Driving license

Yes

Articles

1. **RevCAD 2016, International Scientific Symposium GeoCAD, "Determining altitudes using ROMPOS", Cornel Păunescu, Florin Nache, Vlad Păunescu, 6 pages, Alba Iulia, Romania, 6-7 may 2016.**
2. **16th edition National Technical-Scientific Conference; Journal of the conference Modern Technologies for the 3rd Millennium, "The Processing Workflow Needed in Order to Obtain the Main Photogrammetric Products Used in Cadastral and Topography", Nache F., Stănescu R.A., Păunescu C., 6 pages, Oradea, Romania, 23-24 march 2017.**
3. **16th edition National Technical-Scientific Conference; Journal of the conference Modern Technologies for the 3rd Millennium, "Modern Methods and Techniques for Data Acquisition in Order to Obtain Photogrammetric Products Used in the Aeronautical Field", Plăvicheanu S., Nache F., Dragomir P.I., 6 pages, Oradea, Romania, 23-24 march 2017.**
4. **17th edition National Technical-Scientific Conference; Journal of the conference Modern Technologies for the 3rd Millennium, "Remote sensing and photogrammetry applications in open-pit mines and quarries", Manu C.S., Dima N., Nache F., Stănescu R.A., Boroica I., 6 pages, Oradea, Romania, 22-23 march 2018.**
5. **17th edition National Technical-Scientific Conference; Journal of the conference Modern Technologies for the 3rd Millennium, "Monitoring the vertical and horizontal displacements of the Poiana Mărului dam, Stănescu R.A., Nache F., Păunescu C., 6 pages, Oradea, Romania, 22-23 march 2018.**
6. **RevCAD 24 / 2018; "PROPOSALS FOR THE VERIFICATION OF THE SYSTEMATIC CADASTRAL WORKS", Cornel Păunescu, Florin Nache, Vlad Păunescu, Roxana Nache. RevCAD, „1 Decembrie 1918” University of Alba Iulia, Romania, may 2018.**
7. **18th edition National Technical-Scientific Conference; Journal of the conference Modern Technologies for the 3rd Millennium, "Use of Low Altitude Aerial and Terrestrial Photogrammetry for Cultural Heritage Conservation-Restoration Works". Nache F., Nache R.A., Păunescu C., Manu C.-S., Cucăilă S., Tivig D.-F., 6 pagini, Oradea, Romania, 5-6 april 2019.**
8. **19th International Multidisciplinary Scientific GeoConference and EXPO, "DATA COLLECTING AND PROCESSING FOR OBTAINING DIGITAL TERRAIN AND DEPOSIT MODEL IN MINE PLANNING AND DESIGN". Dumitru-Filip TIVIG, Adrian FLOREA, Costin-Sebastian MANU, Florin NACHE, Roxana Augustina NACHE. Albena, Bulgaria, 2019.**
9. **International Journal of Geo-Information, "Reliable 2D Crowdsourced Cadastral Surveys: Case Studies from Greece and Romania", Chryssy Potsiou, Cornel Paunescu, Charalabos Ioannidis, Konstantinos Apostolopoulos, Florin Nache, 23 pages, 1 Feb. 2020.**

Presentations

1. **Faculty of Land Reclamation and Environmental Engineering, University of Agriculture and Veterinary Medicine. International Summer School second edition, "Using drones in topography and cadaster", Florin Nache, Mihail Drăgan, Bucharest, 2015.**
2. **COIFA, 7th edition International Summer School, Survey to Planning: New Technologies and Land Protection, "USE OF U.A.V. SYSTEMS IN SYSTEMATIC CADASTRE", Florin Nache, Cornel Păunescu, ITALY – Sabaudia, 2016.**
3. **COIFA, 7th edition International Summer School, Survey to Planning: New Technologies and Land Protection, "WORKING WITH UAV'S (Unmanned Aerial Vehicles)", Florin Nache, ITALY – Alberobello, 2016.**

4. **Faculty of Land Reclamation and Environmental Engineering, University of Agriculture and Veterinary Medicine. International Summer School third edition, "Realizing and using photogrammetry products based on data collected with U.A.V. systems", Florin Nache, Cătălin Marinescu, Bucharest, 2016.**

5. **International Scientific Symposium GEOMAT 2016, "The realization of photogrammetric products using images acquired with UAVs (Unmanned Aerial Vehicle) and their use in topography and cadaster", Florin Nache, Roxana Stănescu, Cornel Păunescu, 3-6 november 2016, Iași.**

6. **International Scientific Symposium GEOMAT 2016, "The optimization of photogrammetric premarking works by determining the optimal number of ground control points depending on the precision and the final product type", Florin Nache, Roxana Stănescu, Laura Mărgărit 3-6 november 2016, Iași.**

7. **International Scientific Symposium GEOMAT 2016, "Data acquisition through modern methods and techniques for obtaining photogrammetric products used in aeronautical field", Sabina Plăvicheanu, Florin Nache, Petre-Iuliu Dragomir, 3-6 november 2016, Iași.**

8. **Faculty of Geology and Geophysics, University of Bucharest. Geophysics week; "Digital orthophoto and digital terrain model generation using low altitude aerial images", Asist. drd. ing. Florin Nache, Prof. dr. ing. Cornel Paunescu, 12-18 may 2017, Bucharest**

9. **FIG Working Week 2017; "Proposal for Flexible, Affordable and Reliable Systematic Cadastres: Examples from Greece and Romania", Konstantinos Apostolopoulos, Charalabos Ioannidis, Cornel Păunescu, Florin Nache, Chryssy Potsiou, 29 may – 2 june 2017, FINLAND – Helsinki.**

10. **"Monitoring the vertical and horizontal displacements of the Poiana Mărului dam", Stănescu Roxana Augustina, Nache Florin, Păunescu Cornel. International Scientific Symposium GeoPreVi 2017, Bucharest, 14-16 september.**

11. **"Determination of altitudes by the trigonometric levelling with different refraction coefficients", Cornel Păunescu, Florin Nache, Roxana Augustina Stănescu. International Scientific Symposium GeoPreVi 2017, Bucharest, 14-16 september.**

12. **17th edition National Technical-Scientific Conference; Journal of the conference Modern Technologies for the 3rd Millennium, "Remote sensing and photogrammetry applications in open-pit mines and quarries", Manu C.S., Dima N., Nache F., Stănescu R.A., Boroica I., Oradea, Romania, 22-23 march 2018.**

13. **"Use of aerial and terrestrial photogrammetry for cultural heritage conservation works. Case study: Church of the Holy Great Martyr Gheorghe, Rodna village", Florin Nache, Roxana Augustina Nache, Costin Manu. Industrial Heritage-Conservation, cultural promotion and intelligent reuse. The Professional Association of Romanian Geographers, 19 - 20 october 2018, Bucharest, Romania.**

14. **"A Proposed Procedure for Reliable 2D Crowdsourced Cadastral Surveys: Case Studies from Greece and Romania". Chryssy Potsiou, Cornel Păunescu, Charalabos Ioannidis, Konstantinos Apostolopoulos and Florin Nache. FIG Commission 3 Annual Meeting and Workshop, 3 - 6 December 2018, Naples, Italy.**

15. **"Monitoring the displacements of dams and the use of UAV's for visual inspection". Florin Nache, Roxana Augustina Nache, Cornel Păunescu. FIG Commission 3 Annual Meeting and Workshop, 3 - 6 December 2018, Naples, Italy.**