



Curriculum vitae Europass



Personal information

First name(s) / Surname(s) **Dacian Paul MARIAN**
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E-mail dacianmarian@upet.ro; dacian_top@yahoo.com
Nationality Romanian
Date of birth [REDACTED]
Gender Male

Work experience

Period	From October 2012 until now
Occupation or position held	Lecturer
Occupation or position held	Teaching, Research, Coordination of student activities/projects, Educational activities at the disciplines: Mathematics Cartography, Land measurement basics, Surface subsidence as effect of underground mining, Drawing of plans and maps, Satellite geodesy, Underground construction stakeout.
Name and address of employer	University of Petrosani, University St., no. 20, Petrosani, Region Hunedoara, Romania
Type of business or sector	High education
Period	From February 2012 until July 2012
Occupation or position held	Associate professor
Occupation or position held	Teaching Educational activities at the disciplines: Surface subsidence as effect of underground mining, Drawing of plans and maps, Satellite geodesy.
Name and address of employer	University of Petrosani, University St., no. 20, Petrosani, Region Hunedoara, Romania
Type of business or sector	High education
Period	From October 2011 until January 2012
Occupation or position held	Surveyor
Occupation or position held	Surveying activities
Name and address of employer	S.C. VISA S.A.
Type of business or sector	Topography, Geodesy, Cadastre

Period | From October 2008 until October 2011
 Occupation or position held | Ph.D Student
 Name and address of employer | University of Petrosani, University St., no. 20, Petrosani, Region Hunedoara, Romania
 Period | From September 2006 until September 2008
 Occupation or position held | Surveyor
 Occupation or position held | Surveying activities
 Name and address of employer | S.C. GEOLAND S.R.L., Republicii av. no. 65, Bistrita, Region Bistrita Nasaud, Romania
 Type of business or sector | Topography, Geodesy, Cadastre

Education and training

Period | 2008 - 2011
 Title of qualification awarded | Ph.D degree
 Key areas: ENGINEERING SCIENCES
 Field of Ph.D: MINES, OIL AND GAS
 Principal subjects/occupational skills covered | Thesis Title: *Surface Stability Analysis as Effect of Underground Mining of the Coal Seams with Gentle and Medium Dip from the Jiu Valley Coal Basin.*
 Theoretic and practical knowledge on land surface stability as effect of underground mining.
 Name and type of organization providing education and training | University of Petrosani

Period | 2001 - 2006
 Title of qualification awarded | Engineer diploma
 Profile: MINES
 Specialization: MINING TOPOGRAPHY
 Principal subjects/occupational skills covered | Geodesy, Cartography, Topography, Cadastre.
 Execution of surveying measurements, measurements processing etc.
 Name and type of organization providing education and training | University of Petrosani

Personal skills and competences

Mother tongue(s) | **Romanian**

Other language(s)

		Understanding				Speaking				Writing	
European level (*)		Listening		Reading		Spoken interaction		Spoken production			
English	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	

(*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/EN/Content/Common-European-Framework-of-Reference-for-Languages)

Professional skills and social | Ability to work in team (from 2006 to 2008 I led teams of surveyors in the execution of Surveying measurements. Moreover since 2008 and so far, I have contributed as a responsible or member, to the achievement of several research contracts).

Scientific skills and competences

- Edited Books
1. Vereş I.S., Filip L.O, **Marian D.P.**, Ştefan N. – *Surveying technician [Topometrist technician] – Initiate course*, Universitas Publishing House, Petrosani 2011, ISBN 978 – 973 – 741 – 230 – 0 (in Romanian);
 2. **Marian D.P.** – *Monitoring and analysis of the surface deformation as effect of underground mining*, Universitas Publishing House, Petrosani, 2012 ISBN 978-973-741-264-5 (in Romanian);
 3. Vereş I.S., **Marian D.P.**, Ştefan N. – *Engineering topography – Laboratory guide*, Universitas Publishing House, Petrosani, 2012, ISBN 978-973-741-265-2 (in Romanian).
 4. Onica I., Marian D.P. – *Applications of the Finite Element Method in Analysis of Surface and Underground Structures Stability*, Universitas Publishing House, Petrosani, 2016, ISBN 978-973-741-473-1 (in Romanian).
 5. **Marian D.P.** – *Drafting of topographic maps*, Universitas Publishing House, Petrosani, 2016 ISBN 978-973-741-487-8, 106p (in Romanian).

- List of important scientific papers
1. Onica, I., Cozma, E., **Marian, D.P.** – *Ground surface deformation using the finite element method, in conditions of the longwall mining of the coal seam no. 3 – Livezeni Mine*, Mining Revue, Vol. 17, No. 1/2011.
 2. Onica, I., Cozma, E., **Marian, D.P.** – *Ground Surface Deformation as Effect of Longwall Mining of the Coal Seam No. 3 of the Livezeni Mine*, Proceeding of the 22nd International Mining Congress and Exhibition of Turkey, May 11-13, 2011, Ankara, Turcia.
 3. Onica, I., Cozma, E., **Marian, D.P.** – *Analysis of the Ground Surface Subsidence in the Jiu Valley Coal Basin by using the Finite Element Method*, Proceeding of the 11th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2011, Sofia, Bulgaria, June 19-25 2011.
 4. Onica, I., Cozma, E., **Marian, D.P.** – *Ground Surface Deformation as Effect of Longwall Mining in the Jiu Valley Coal Basin*, Proceeding of the 22 World Mining Congress & EXPO 2011, Istanbul, Turcia, September 11-16, 2011.
 5. **Marian, D.P.**, Onica, I., Cozma, E. – *Stability analysis of the subsidence parameters at the variation of the geo-mining factors*, Mining Revue, Vol. 17, No. 3/2011 (in Romanian).
 6. **Marian, D.P.**, Onica, I., Cozma, E. – *New profile function for ground subsidence assessment in the case of underground coal mining*, Mining Revue, Vol. 17, No. 4/2011 (in Romanian).
 7. **Marian, D.P.**, Onica, I., Cozma, E. – *2D and 3D finite element modeling of the Jiu Valley subsidence phenomenon*, Annals of the University of Petroşani – Mining Engineering –, Vol. 12(XXXIX)/2011.
 8. Popescu, G., **Marian, D.P.** – *Surface subsidence monitoring using GPS technology – RTK method – at Livezeni Mine*, Mining Revue, Vol. 18, No. 2/2012 (in Romanian).
 9. Onica, I., **Marian, D.P.** - *Ground surface subsidence as effect of underground mining of the thick coal seams in the Jiu Valley Basin*, Archives of Mining Sciences, Vol. 57, nr. 3, Poland 2012, pp. 547 - 577.
 10. Băloi (Semen) N., Fissgus K.G., **Marian D.P.** – *Introduction to Mobile Laser Scanning*, International Multidisciplinary Symposium „UNIVERSITARIA SIMPRO”, Petroşani, 2012.
 11. **Marian D.**, Ştefan N., Fissgus K., Vereş I., Munteanu R., Lazăr M. – *Surface Subsidence Prediction in the Jiu Valley Coal Basin*, Freiburger Forschungsforum; 64. Berg- und Hüttenmännischer Tag, Scientific Reports on Resource Issues, ISSN 2190-555X, Freiberg, 2013, pag. 142-150.

12. **Marian D.P.** – *Surveying and 3D Modeling of a Natural Underground Cavity, Nandru Cave, Hunedoara County*, Recent Advances in Geodesy and Geomatics Engineering “Proceedings of the 1st European Conference of Geodesy & Geomatics Engineering (GENG `13)”, Antalya, Turkey, October 8 – 10, 2013, pag. 206-211; ISSN: 2227-4359; ISBN: 978-960-474-335-3;
13. Ștefan N., **Marian D.P.**, Vereș I.S. – *Road Surveying Using a Mobile Laser Scanning System*, Bulletin of UASVM Horticulture, Vol. 70, Nr. 2, 2013, pp. 507-516, Print ISSN 184-5254;
14. Onica I., Cozma E., **Marian D.P.**, Ștefan N. – *Prognosis of the Maximum Subsidence and Displacement of the Ground Surface in the Jiu Valley Coal Basin*, Proceeding of the 14th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2014, Vol. III, Sofia, Bulgaria, June 17-26 June 2014, pp. 465-472, ISBN 978-619-7105-09-4, ISSN: 1314-2704.
15. Mihuț S., **Marian D.P.**, Onica I., Cozma E. – *Reducing Environmental Impact Generated by the Extraction of Rock Salt in Solution at the Ocnele Mari, Romania*, Proceeding of the 15th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2015, Sofia, Bulgaria, June 16-25 2015, ISSN: 1314-2704;
16. Mihuț S., **Marian D.P.**, Cozma E., Onica I. – *Stability Analysis of the Underground Structures from the Ocnele Mari Saline*, Proceeding of the 15th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2015, Sofia, Bulgaria, June 16-25 2015, ISSN: 1314-2704;
17. Floarea D., **Marian D.P.**, Onica I., Cozma E. – *Necessity of Following up the Land Surface Deformation For Closed Mining Areas*, Proceeding of the 15th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2015, Sofia, Bulgaria, June 16-25 2015, ISSN: 1314-2704.
18. Floarea D., **Marian D.P.**, Onica I., Cozma E., Marian R.R. – *Using Numerical Modelling in the Analysis of Surface Deformation as Effect of Underground Mining of Coal Seams, at Paroșeni Mine, Romania*, Proceeding of the 16th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2016, Sofia, Bulgaria, June 16-25 2016, ISSN: 1314-2704.
19. Vereș I.S., **Marian D.P.**, Fissgus K.G, Ștefan N. – *Finite Element Analysis of Surface Subsidence for Establishing the Location of a Gas Pipeline, Modern Technologies for the 3rd Millennium (23-24 Martie 2017 Oradea, România)*.
20. Marian R.R., **Marian D.P.** – *Prognosis of Surface Deformation by the Influence Function Method in Terms of Paroșeni Mine (Romania), Mining of Mineral Deposits, Vol. 12 (2018), Issue 2, pp. 63-67, ISSN 2415-3443.*
21. Marian R.R., **Marian D.P.**, Onica I. – *3D Finite Element Analysis of Deformation of Buildings Located in Areas Affected by Underground Mining, Proceeding of the 18th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2018, Sofia, Bulgaria, ISBN 978-619-7408-37-9, ISSN: 1314-2704, Volume 18, Issue 1.3.*

Research activity

1. Research contract no. 36/31.mai.2010 with National Society of Salt – branch Ramnicu Valcea, *Stability analysis of underground excavations from Ocnele Mari Salina* (in Romanian).
2. POSDRU contract no. 82/5.1/S/59756 – Professional training alternative using informatics solutions – a solution for the reconversion of mining workforce — Surveying technician [Topometrist technician] – Initiate course (in Romanian).
3. Research contract no. 16/24.10.2011 cu S.C. BEN ARI NEGEV INDUSTRIAL S.R.L., Technical expertise on elucidating the causes that led to the crash from 14/10/2011 in performing the blasting operations at Dealu Tefic open pit from Revarsarca town (in Romanian).
4. Research contract no. 19/12.12.2011 with National Society of Salt – branch Praid

	Salina, <i>Salt rock excavation with mining machines at Praid Saline</i> (in Romanian).
	5. Research contract no. 40/21.06.2012 with National Society of Salt – branch Ocna Dej salina, <i>Technical project, Salt rock excavation with mining machines at Ocna Dej Saline</i> (in Romanian).
	6. Research contract no. 7858/10.07.2012 with National Society of Salt – branch Slănic Prahova Salina, <i>Salt rock excavation with mining machines at Slănic Prahova Saline</i> (in Romanian).
	7. Research contract no. 14512/10.12.2013 with National Society of Salt – branch Slănic Prahova Salina, <i>Carol shaft support rehabilitation, strengthening and waterproofing the ground around the shaft, concrete platform and shaft house building</i> (in Romanian).
	8. Research contract no. 4375/10.11.2014 with Hunedoara Energy Complex Society, <i>Works for developing the production capacity at E.M. Lonea</i> (in Romanian).
	9. Research contract no. 634/09.12.2015 with Transgaz Mediaș, <i>Research study concerning the location of natural gas pipelines in areas with possible subsidence phenomena</i> (in Romanian).
	10. Research contract no. 1696/05.12.2018 with Hunedoara Energy Complex Society, <i>Study on establishing the causes of the discontinuous subsidence phenomenon in the Lupeni mining area,</i> (in Romanian).
Other scientific activities	Deputy editor of the journals <ul style="list-style-type: none"> - ANNALS OF THE UNIVERSITY OF PETROSANI - MINING ENGINEERING – 2015 – until now - MINING REVUE – 2017 – until now.
Organisational skills and competences	Creative, team man Capacity for self-control and self-improvement Organized, focused on the task Dynamism and seriousness
Computer skills and competences	Operating computer (Windows , Office) Assisted design (AutoCAD) Good command of the specific software's as: TopoSYS, Surfer
Other skills and competences	Spirit of observation Flexible and open thinking Ability to acquire new knowledge Hobbies: football, fishing, snowboarding, mountain trips
Driving licence	Category B
Additional information	ANCPI authorized person to execute works of cadastre, geodesy and cartography, category D (Authorization series RO-B-F, No. 1608/31.07.2013). ANRM authorized person, as an expert, for the execution of field and related mining works, elaboration of technical and technical-economic documentation for mining activities and management/coordination of activities related to the extraction of mineral resources (ores, coal, useful rocks, non-metals), certificate de atestati no. 1883/09.05.2017.

Data: 10.10.2020

Lecturer Dacian Paul MARIAN Ph.D. Eng.