

## INFORMAȚII PERSONALE

Marcela Popescu

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Sexul Feminin | Starea civila casatorita | Naționalitatea Romana

## EXPERIENȚA PROFESIONALĂ

2003 - prezent

### conferentiar universitar

Departamentul de Matematici Aplicate, Universitatea din Craiova, Str. A.I. Cuza nr. 13, 200585 Craiova, Romania, [http://www.ucv.ro/departamente\\_academice/dma/](http://www.ucv.ro/departamente_academice/dma/)

- Activitati de predare: curs si seminar de Algebra liniara si geometrie analitica si diferentia (Facultatea de Electrotehnica / Facultatea de Electromecanica ), Metode Numerice, (Facultatea de Mecanica), Analiza Matematica (Facultatea de Mecanica), Matematica, Metodica predarii aritmeticii, Metodica activitatilor matematice (Facultatea de Litere, PIPP Craiova).
- Tipul sau sectorul de activitate: invatamant si cercetare

2001-2003

### lector universitar

Departamentul de Matematici Aplicate, Universitatea din Craiova, Str. A.I. Cuza nr. 13, 200585 Craiova, Romania, [http://www.ucv.ro/departamente\\_academice/dma/](http://www.ucv.ro/departamente_academice/dma/)

- Activitati de predare: curs si seminar de Algebra liniara si geometrie analitica si diferentia (Facultatea de Electrotehnica / Facultatea de Electromecanica / Facultatea de Mecanica), Matematica, Metodica predarii aritmeticii, Metodica activitatilor matematice (Facultatea de Litere, PIPP Craiova).
- Tipul sau sectorul de activitate: invatamant si cercetare

1998-2001

### lector universitar

Departamentul de Matematica aplicata in economie, apoi Matematica, Facultatea Matematica-Informatica, Universitatea din Craiova, Str. A.I. Cuza nr. 13, 200585 Craiova, Romania,

- Activitati de predare: curs si seminar de Algebra liniara si geometrie analitica si diferentia (Facultatea de Electrotehnica / Facultatea de Electromecanica / Facultatea de Mecanica), Matematica (Facultatea de Stiinte Economice), Grupuri si algebre Lie (Facultatea de Matematica-Informatica).
- Tipul sau sectorul de activitate: invatamant si cercetare

1992-1998

### asistent universitar

Departamentul de Matematica aplicata in economie, Facultatea Matematica-Informatica, Universitatea din Craiova, Str. A.I. Cuza nr. 13, 200585 Craiova, Romania,

- Activitati de predare: seminar de Algebra liniara si geometrie analitica si diferentia (Facultatea de Electrotehnica / Facultatea de Electromecanica / Facultatea de Mecanica), Matematica (Facultatea de Stiinte Economice)
- Tipul sau sectorul de activitate: invatamant si cercetare

1982-1992

### profesor de matematica in invatamantul preuniversitar

Liceele Industriale nr. 5 si 6, Ramnicu Valcea, Liceul Pedagogic si Liceul nr.10 Craiova

Tipul sau sectorul de activitate: invatamant (cu promovarea examenului de definitivare in invatamantul preuniversitar).

## EDUCAȚIE ȘI FORMARE

### Doctorat în matematică

1992-1997

Universitatea A.I.Cuza, Iasi, Romania

- teza de doctorat: "Geometria subfibratelor vectoriale"
- coordonator științific: prof. univ. dr. Vasile Cruceanu
- diploma eliberata in decembrie 1997.

1978-1982

### Facultatea de Stiinte ale Naturii, specializarea matematică

Universitatea din Craiova, Craiova, Romania

- lucrarea de licență: "Clasificarea suprafetelor"
- coordonator științific: prof. univ. dr. Boju Valentin
- diploma eliberata in ianuarie 1984.

1974-1978

### Liceul "Nicolae Balcescu" (actual Colegiul National "Carol I")

Craiova, Romania

- profilul: real, clasa speciala de matematica
- diploma eliberata in septembrie 1983.

## COMPETENTE PERSONALE

Limba(i) maternă(e)

Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	B2	B2	B2	B2	B2
Franceza	B2	B2	B2	B2	B2

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat  
Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

- competențe de buna comunicare dobândite prin:
  - activitati de predare in invatamant.

Competențe organizaționale/manageriale

- organizationale: membru in comitetele de organizare ale unor conferinte;
- manageriale: presedinte si membru al unor comisii de grad didactic I in invatamant.

Competențe informatice

- o bună cunoaștere a instrumentelor Microsoft Office™ si a limbajelor Latex , Basic, Fortran, Pascal.

## INFORMATII SUPLIMENTARE

### Publicații de specialitate

1. Popescu P., Popescu Marcela, *Lagrangians and Hamiltonians Related to Foliations*, Romanian Journal of Physics, 61, 1-2 (2016). [Factor de impact ISI 0.924](#), [Scor relativ de influenta 0.379](#).
2. Popescu P., Popescu Marcela, *On some classes of foliations*, Balkan Journal of Geometry and Its Applications, 19, 1 (2014) 100-107. [Indexat ISI](#).
3. Popescu P., Popescu Marcela,, *On singular distribution on vector bundles*, Romanian Journal of Physics, 58, 5-6 (2013) 641-649. [Factor de impact ISI 0.924](#), [Scor relativ de influenta 0.379](#).
4. Udriste C., Popescu Marcela, Popescu P., *On some extended affine classes of Lagrangians and Hamiltonians involved in classical field theories*, International Journal of Geometric Methods in Modern Physics, Vol. 6, 7 (2009) 1161-1180. [Factor de impact ISI 0.437](#), [Scor relativ de influenta 0.345](#).
5. Popescu P., Popescu Marcela, *Sub-Lagrangians and sub-Hamiltonians on affine bundles*, Journal of Mathematical Sciences, Vol. 161, No. 2 (2009) 261-282.
6. Popescu P., Popescu Marcela, *Lagrangians adapted to Submersions and Foliations*, Differential Geometry and its Applications, 27, 2 (2009) 171-178. [Factor de impact ISI 0.691](#), [Scor relativ de influenta 0.995](#).
7. Popescu Marcela, Popescu P., *Lagrangians and Hamiltonians on affine bundles and higher order geometry*, Proc. Vol. VII International Conference GEOMETRY AND TOPOLOGY OF MANIFOLDS, The Mathematical Legacy of Charles Ehresmann on the occasion of the hundredth anniversary of his birthday, B<sup>o</sup>dlewo, Poland, May 8-15, 2005, Banach Center Publications, Inst. of Mathematics, Polish Acad. of Sc., Warsawa 2007, 451-469. [Volum indexat ISI](#).
8. Popescu, Marcela, *Totally singular Lagrangians and affine Hamiltonians*, Balkan Journal of Geometry and its Applications 14, 1 (2009) 60-71.
9. Popescu Marcela, *Affine legendrians and co-legendrians*, Carpathian Journal of Mathematics, 25, 2 (2009) 215-227. Print Edition: ISSN 1584 - 2851, Online Edition: ISSN 1843 "C 4401.
10. Popescu P., Popescu Marcela, *A new setting for higher order Lagrangians in the time dependent case*, J. Adv. Math. Stud. 1, No. 3, 83-92 (2009).
11. Constantin Udriste, Popescu Marcela, Popescu P., *Generalized Multitime Lagrangians and Hamiltonians*, WSEAS Transactions on Mathematics, Volume 7, 2008, 66-72.

12. Popescu P., Popescu Marcela, *Higher order geometry on almost Lie structures*, J. Adv. Math. Stud. 1, No. 1-2 (2008) 97-110.
13. Popescu P., Popescu Marcela, *Affine Hamiltonians in higher order geometry*, International Journal of Theoretical Physics 46, 10 (2007) 2531-2549., [Factor de impact ISI 1.184, Scor relativ de influenta 0.395.](#)
14. Popescu Marcela, Popescu P., *An intrinsic link between scalar and volume-valued Lagrangians*, Proceedings of The International Conference "Differential Geometry and Dynamical Systems" (DGDS-2007), October 5-7, 2007, Bucharest, Romania, Geometry Balkan Press, 2008, BSG Proceedings 15, pp. 168-175. [Volum indexat ISI.](#)
15. Popescu Marcela, Popescu P., N. Dumitru, *Some aspects concerning non-Hamiltonians systems*, Proceedings of The International Conference of Differential Geometry and Dynamical Systems (DGDS-2008), August 29 - September 02, 2007, Mangalia, Romania, 2008, BSG Proceedings 15, 163-167. [Volum indexat ISI.](#)
16. Popescu P., Popescu Marcela, *The derived Lie pseudoalgebra of an anchored module*, Universitatis Iagellonicae Acta Mathematica, fasc.II 1278, 42 (2004) 185-198.
17. Popescu P., Popescu Marcela, *On Hamiltonian submanifolds (I)*, Balkan Journal of Geometry and its Applications, 7, 2 (2002) 79-86.
18. Popescu P., Popescu Marcela, *A general background of higher order geometry and induced objects on subspaces*, Balkan Journal of Geometry and its Applications, 7, 1, 2002, 79-90.
19. Popescu Marcela, Popescu P., *On Lagrange epimorphisms and Lagrange submersions*, Balkan Journal of Geometry and its Applications, 5, 2 (2000) 97.
20. V. Cruceanu, Popescu Marcela, Popescu P., *On projectable objects on fibred manifolds*, Archivum Mathematicum, 3, 2001, 185-296.
21. Popescu Marcela, Popescu P., *On high order structures on vector bundles*, Algebras, Groups and Geometries, Hadronic Press, 1(16), 1999, 91-103.
22. Popescu P., Popescu Marcela, *On graded algebra bundles*, Novi Sad Journal of Mathematics, 3(29), 1999, 257-266.
23. Popescu Marcela, Popescu P., *Projectable nonlinear connections*, Novi Sad Journal of Mathematics, 3(29), 1999, 249-256.
24. Popescu Marcela, Popescu P., *On the structure equations of the induced linear connections*, Balkan Journal of Geometry and its Applications, Vol. 3, Nr.1 (1998) 103.
25. Popescu P., Popescu Marcela, *Geometrical objects on subbundles (II)*, Balkan Journal of Geometry and its Applications, Vol. 2, No.2 (1997) 105.
26. Popescu P., Popescu Marcela,., *On quasi-connections on fibred manifolds*, New Developements in Differential Geometry, Kluwer Academic Publ., Vol. 350, 1996, 343-352. [Volum indexat ISI.](#)
27. Popescu Marcela, Popescu P., *The structure equations of induced non-linear connectionons*, Analele Universității din Timisoara, Seria matem., Vol. XXXIV, fasc. 2, 1996, 255-260.

28. Popescu Marcela, Popescu P., *d-linear connections on fibred manifolds*, Analele Universității din Craiova, vol.XXII, 1996, 52-59.
29. Popescu Marcela, Popescu P., *The Darboux's property and the  $P(\ )$ -derivability*, Analele Universității din Craiova, seria mat.-inf., vol.XXII, 1995, 51-58.
30. Popescu Marcela, Popescu P., *On some derivable real functions*, Analele Universității din Oradea, tomul II, fascicula matematică, 1992, 14-117.
31. Popescu Marcela, Popescu P., *On the  $p$ -derivable functions*, Analele Universității din Oradea, tomul II, fascicula matematică, 1992, 118-124.
32. Popescu Marcela, Popescu P., *On almost holonomic structures*, Analele Universității din Craiova, seria mat.-inf., vol.XIX, 1991-92, 93-97.

#### Carti publicate

- Marcela Popescu, Paul Popescu, *Analiză Matematică. Aplicații*, Ed. Universitaria, Craiova, 2017, 260 pagini, ISBN 978-606-14-1143-6.
- Marcela Popescu, Paul Popescu, *Algebră liniară și geometrie analitică*, Ed. Universitaria, Craiova, 2002, 260 pagini, ISBN 973-8043-308-8.
- Paul Popescu, Marcela Popescu, *Geometrie diferențială*, Fundația Scrisul Românesc, Craiova, 1999, 196 pagini, ISBN 973-99013-4-5.
- Paul Popescu, Marcela Popescu, *Algebră liniară și geometrie analitică. Probleme*, Ed. Reprograph, Craiova, 2002, 200 pagini, ISBN 973-8419-00-7.
- Marcela Popescu, Paul Popescu, Nabi Toporan, *Geometrie analitică (vol.I)*, Ed. Reprograph, Craiova, 2001, 226 pagini, ISBN 973-8092-57-4.
- Paul Popescu, Marcela Popescu, *Matematici aplicate*, Ed. Reprograph, Craiova, 2001, 208 pagini, ISBN 973-8092-35-3.
- Paul Popescu, Marcela Popescu, M. Bulat, N. Toporan, L. Zamfir, *Geometrie analitică pentru bacalaureat*, Ed. Reprograph, Craiova, 2001, 116 pagini, ISBN 973-8092-40-x.
- Marcela Popescu, Paul Popescu, Nabi Toporan, *Mulțimi. Relații*, Ed. Reprograph, Craiova, 2002, 199 pagini, ISBN 973-8419-13-1. (pentru Colegiul de institutori)
- Marcela Popescu, Paul Popescu, Nabi Toporan, *Funcții. Structuri algebrice*, Ed. Reprograph, Craiova, 2002, 214 pagini, ISBN 973-8419-41-7. (pentru Colegiul de institutori)
- Marcela Popescu, Paul Popescu, Nabi Toporan, *Numere naturale*, Ed. Reprograph, Craiova, 2003, 197 pagini, ISBN 973-8419-69-7. (pentru Colegiul de institutori)
- Marcela Popescu, Paul Popescu, Nabi Toporan, *Numere întregi. Numere rationale. Numere reale*, Ed. Reprograph, Craiova, 2005, 245 pag. ISBN 973-671-82-3. (pentru Colegiul de institutori)
- Marcela Popescu, Paul Popescu, Nabi Toporan, *Didactica Matematică*, Ed. Reprograph, Craiova, 2006, 311 pagini, ISBN 973-671-100-5, 978-973-671-100-8 (editură recunoscută CNCIS). (pentru Colegiul de institutori)
- Marcela Popescu, Paul Popescu, *Metode Numerice*, Ed. Reprograph, Craiova, 2009, 180 pag., ISBN 978-973-671-208-1 (editură recunoscută CNCIS)

#### Cusuri reprografiate

- Paul Popescu, Marcela Popescu, *Geometrie diferențială -note de curs*, multiplicată la Reprografia Universității din Craiova, 1990, 45 pagini.
- Paul Popescu, Marcela Popescu, *Geometrie diferențială*, Reprografia Universității din

Craiova, 1998, 166 pagini.

#### Proiecte de cercetare-dezvoltare

▪ Bursă Universidade de Coimbra, Portugal, Summer School on Differential Geometry, Coimbra, Portugal, September 3 - 7, 1999.

▪ Course on "Employment Counselors and Guidance Staff of Returning Migrants and Unemployed", project "Back to Work" [LLP-Leonardo da Vinci-Transfer of Innovation, 2010-1-RO1-LEO05-07460].

▪ Membru a urmatoarelor granturi:

- Grantul CNCSIS de tip A, 196/1999 (la Universitatea din Craiova), director de proiect Prof.dr. Cezar Avramescu.
- Grantul CNCSIS de tip A, 159/1999, Contract nr.32576/1999, Tema nr.54, Comisia 1 (la Universitatea A.I.Cuza din Iasi), director de proiect Prof.dr. Mihai Anastasiei.
- Grantul CNCSIS de tip A, 34967(182)/2000-2001 (Universitatea Politehnică București), Aplicatii ale teoriei Lagrange in gravitatie si electromagnetism, director de proiect Conf. dr. Vladimir Balan.
- Contract 7C23/2004, Univ Cv. 50C/26.11.2004, Titlu: Dezvoltarea si elaborarea unor tehnologii electrice noi având ca scop modernizarea transportului în comun cu troleibuz în concordanta cu standardele europene, Director Prof.dr. Nicolae Petre "C Marian; 4 faze : 1/2004; 2/2005; 3/2006; 4/2006. Proiectul a obtinut in anul 2006 Premiul pentru Excelenta in cercetare la Sectiunea Proiecte de Dezvoltare Tehnologica.
- Contract CEEX 100/13.10.2005, Subcontract 251/2005, Titlu: Noi metode, tehnologii ecologice si concepte de solutii aplicabile conform standardelor europene, de crestere a calitatii energiei electrice. Responsabil contract Prof.dr. Nicolae Petre "C Marian. 5 faze: 1/2005; 2/2006; 3/2007; 4/2007/ 5/2008.
- Contract pentru Platforma Interdisciplinara: TEHNOPLAT OLTENIA 2006, Din partea EL-th (Director coordonator: Prof.dr.ing. Manolea Gheorghe, Director Tehnic: Prof.dr. Nicolae Petre - Marian).
- Grantul international 15-th Italian-Romanian Executive Programme of S&T Cooperation for 2006-2008 (University Politehnica of Bucharest), director Prof.dr. C.Udriste.
- EUROCOMP- Centru de pregatire complementara a cadrelor didactice preuniversitare pentru adaptarea activitatii didactice la noile cerinte europene ale educatiei, notificarea OI/00022/EV/26.09.2008, ca parte din Programul Operational sectorial Dezvoltarea resurselor Umane 2007-2013, cu numarul de referinta 2007RO051PO001, director Bucur Liliana.
- Grantul nr. 19C/2014, „Ecuatii diferentiale: studiul calitativ, procesare numerica eficienta si aplicatii±, acordat in competitia interna de granturi a Universitatii din Craiova, director de grant conf. dr. C. Vladimirescu.

●director de grant:

- Grantul CNCSIS de tip A, 81/2005 (Universitatea din Craiova); membri: prof.dr.Popescu Paul, lect.dr.Munteanu Florian, lect.dr. Racila Mihaela,

lect.dr.Sterbeti Catalin.

#### Conferințe

- XXV International Fall Workshop on Geometry and Physics, August 29 - September 2, Madrid, Spain, <https://www.icmat.es/congresos/2016/XXVIFWGP/>
- The IX-th International Conference of Differential Geometry and Dynamical Systems (DGDS-2015) 8 - 11 October 2015 at Politehnica University Bucharest.
- The VIII-th International Conference of Differential Geometry and Dynamical Systems (DGDS-2014) 1 - 4 September 2014 at the Callatis High-School in the city Mangalia - Romania.
- The International Conference of Differential Geometry and Dynamical Systems (DGDS-2013) 10-13 October 2013, University Politehnica of Bucharest, Romania).
- International Conference the Role of the Validation of Competences in Professional Counseling of Adults, 7th - 8th of December 2012 Thessaloniki, Greece.
- The International Conference "Differential Geometry and Dynamical Systems 2012", 29 August - 2 September 2012, Callatis High-School, Mangalia, Romania.
- The International Conference of Differential Geometry and Dynamical Systems (DGDS-2011), October 6-9, 2011, University Politehnica of Bucharest, Romania. 11, Brasov, Romania.
- The International Conference of Differential Geometry and Dynamical Systems (DGDS-2010), joint with The 6-th Conference of the Balkan Society of Geometers (BSG-6) and The 6-th International Colloquium of "Mathematics in Engineering and Numerical Physics" (MENP-6 / mathematics sections) \* August 25-28, 2010 Bucharest, Romania.
- The International Conference of Differential Geometry and Dynamical Systems (DGDS-2009) October 8 - 11, University Politehnica of Bucharest, Bucharest, Romania.
- The International Conference "Differential Geometry and Dynamical Systems" (DGDS-2008) and The 5-th International Colloquium of "Mathematics in Engineering and Numerical Physics" (MENP-5 \* mathematics sections), August 29 - September 2, 2008, Mangalia, Romania.
- The International Conference "Differential Geometry and Dynamical Systems" (DGDS-2007), October 5-7, 2007, Bucharest, Romania.
- The 5-th Conference of Balkan Society of Geometers, August 29 - September 2, 2005 Mangalia, Romania
- The XIV Geometric Seminar, Technical Faculty „Mihajlo Pupin“, Zrenjanin (Serbia), October 2-5, 2003.
- The 4th International Conference of the Balkan Society of Geometers and Conference on Applied Differential Geometry, Aristotle University of Thessaloniki (Greece), June 26-30, 2002.
- The Conference of Applied Differential Geometry - General Relativity and The Workshop on Global

Analysis, Differential Geometry and Lie Algebras, Aristotle University of Thessaloniki (Greece), July 2001.

- 
- 8th International Conference on Differential Geometry and its Applications, August 27 - 31, 2001, Opava, Czech Republic.
- Conference on Geometry and Topology of Manifolds, Krynica 29.04-5.05.2001 (Poland).
- Lie Algebroids and Related Topics in Differential Geometry, Stefan Banach International Mathematical Center, Warsaw, June, 2000.
- 2nd International Spring School and Workshop on Quantum Field theory and Hamilton Spaces, Călimănești, Mai 2000.
- Conference on Applied Differential Geometry, Aristotle University of Thessaloniki (Greece), (27 august-3 sept. 2000).
- The 3-rd Conference of BSG, Bucuresti, august 2000.
- Simposion on Geometry, Dortmund, July 2000.
- Summer School in Differential Geometry, Coimbra (Portugal), september 3-7 1999.
- The Conference of Geometry and its Applications in Technology, Thessaloniki (Greece), June 23-27 1999.
- International Conference on Geometry, 1-5 Septembrie 1997, Varna (Bulgaria).
- Third International Workshop on Diff. Geom. and its Appl. and the First German-Romanian Seminar on Geometry, Sibiu, september 18-23, 1997.
- XVIIth Nevanlinna Colloquium, Lausanne, EPFL, (Elvetia) 14-20 august, 1997.
- The Workshop on Global Analysis, Differential Geometry, Lie Algebras, july 23-26, 1997, Thessaloniki, (Greece).
- Conference on Differential Geometry, July 27-30, 1996, Budapest, Hungary.
- The Fourth International Congress of Differential Geometry, may 1996, Thessaloniki, (Greece).
- The Workshop on Global Analysis, Differential Geometry, Lie Algebras, october 21-26, 1996, Thessaloniki, (Greece).
- First Conference of Balkan Society of Geometers, Universitatea Politehnică București, 23-27 Septembrie 1996.
- The second International Workshop on Differential Geometry and its Applications, 25-28 Septembrie 1995, Constanta.
- The Second Asian Congress on Mathematics, 17-20 October 1995, Suranaree University of Technology, Nakhon-Ratchasima, Thailand.
- The Workshop on Global Analysis, Differential Geometry, Lie Algebras, 13-16 December 1995, Thessaloniki (Greece).



- Colloquium on Differential Geometry, Debrecen, Hungary, July, 1994.
- The Workshop on Global Analysis, Differential Geometry, Lie Algebras, December 1994, Thessaloniki (Greece).

#### Cursuri de specializare

- Summer School in Differential Geometry, Coimbra (Portugal), september 3-7 1999.
- Role of the Validation of Competences in Professional Counseling of Adults, 7th – 8th of December 2012 Thessaloniki, Greece.

#### Diverse recunoasteri Apartenenta la societati stiintifice

- peste 50 de citari (fara autocitari) in lucrari de specialitate.
- peste 20 de citari (fara autocitari) in lucrari publicate in reviste ISI cu factor  $\geq 0.5$
- premiarea a 3 articole de către Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI).
- Societatea de Științe Matematice din Romania
- Balkan Society of Geometers (membru in comisia de cenzori)

#### Voluntariat

- Pregătirea și îndrumarea elevilor în vederea promovării examenului de bacalaureat (activitate ce se desfășoară la inițiativa membrilor DMA și la care am participat în fiecare an).
- Implicarea în procesul de evaluare și/sau de organizare a anumitor competiții matematice,