

CURRICULUM VITAE ET STUDIORUM

Personal Data

Full Name: Marian-Ioan Munteanu

Date and place of birth: September 11, 1973, Vaslui, Romania

Nationality: Romanian

Address: University *Al.I. Cuza* of Iasi, Faculty of Mathematics, Bd. Carol I, no. 11, Iasi, 700506.

E-mail: munteanu @ uaic.ro , marian.ioan.munteanu @ gmail.com

Web page : <http://www.math.uaic.ro/~munteanu>

Educational Background

1. **Habilitation thesis:** *Recent developments on magnetic curves in (pseudo-) Riemannian manifolds*
Date of defense: May 20, 2015; (O.M. nr. 4118/11.08.2015)
Member of the doctoral school in Mathematics, University *Al. I. Cuza* of Iasi
(Decision of the Senate of the University *Al. I. Cuza* n.5/24.09.2015)
2. **Ph.D. in Differential geometry**, supervisor Prof. dr.V.Oproiu, University *Al.I.Cuza* of Iasi, Romania
Title of the thesis: *Geometric Invariants Associated to Pseudoconvex CR-structures* (in Romanian)
Date of defense: June 7, 2003
3. **Master Degree:** University *Al.I.Cuza* of Iasi (September 1996 - September 1997)
4. **Bachelor Degree:** University *Al.I.Cuza* of Iasi, Faculty of Mathematics (October 1991 - June 1996)
5. **Secondary Education:** The high school *M.Kogalniceanu* (Vaslui), (September 1987 - June 1991)

Professional Experience

1. February 2008 – so far: Associate Professor at the Section of Geometry, Faculty of Mathematics, University *Al.I.Cuza* of Iasi
2. October 2003 – February 2008: Lecturer at the Section of Geometry, Faculty of Mathematics, University *Al.I.Cuza* of Iasi
3. February 1997 – October 2003: Teaching Assistant at the Department of Geometry, Faculty of Mathematics, University *Al.I.Cuza* of Iasi
4. September 1996 - February 1997: teacher at the high school *Radu Cernatescu* of Iasi
5. October 1999 - May 2012: ERASMUS coordinator, Faculty of Mathematics, University *Al.I.Cuza* of Iasi

Awards

2013: Romanian Academy:

Gheorghe Tzitzeica Prize: *The geometry of surfaces in homogeneous spaces of dimension 3.*

2012: European Congress of Mathematics:

The best research poster award: *The classification of Killing magnetic curves in $M^2(c) \times \mathbb{R}$.*

2011: US Embassy:

Fulbright Senior Researcher at Michigan State University (February – July, 2011).

RESEARCH

Publications

- 53 papers published in ISI WoS journals
 - (more than) 20 papers published in other BDI journals
- Orcid: <http://orcid.org/0000-0002-3509-8330>
ResearcherID: <http://www.researcherid.com/rid/C-5934-2011>

Citations

- ISI Web of Science: 497 citations, h-index 13;
- Scopus: 489 citations; h-index 13;
- MathSciNet: 391 citations;
- Scholar Academics: 1069 citations.

Member in Ph.D. juries

1. Valenciennes, France 03/04/2017 – Marilena Moruz
2. Brasov, Romania 12/11/2016 – Elena Popovici
3. Lecce, Italy 27/06/2015 - Antonella Perrone
4. Timisoara, Romania 16/12/2011 - Mihail Gaianu
5. Bari, Italy 06/05/2010 - Vincenzo Saltarelli
6. Iasi, Romania 30/01/2009 - Simona Luiza Druta

Referee for Ph. D theses

1. Bari, Italy - February 2017 - Salvatore de Candia

Advisory/Scientific committees

- The 16th International Geometry Symposium, July 4-7, 2018, Manisa, Turkey.
- International Conference on Applied and Pure Mathematics (ICAPM 2017), Iasi, Romania, November 2 - 5, 2017.
- The 15th International Geometry Symposium, July 3-6, 2017, Amasya, Turkey.
- International Conference on Differential Geometry, Functional Analysis and Applications, September 8-10, 2012, New Delhi, India.

Invited speaker

- August 28 – September 4, 2016, Zlatibor, Serbia, *19th Geometrical Seminar*.
- December 7 – 10, 2015, Sofia, Bulgaria, International workshop on *Geometry of Riemannian and Hermitian manifolds*.
- June 24 – 25, 2015, Bari, Italy, conference: *Geometric Structures on Riemannian manifolds*.
- September 3 – 8, 2012, Zlatibor, Serbia, *17th Geometrical Seminar*.
- June 13 – 16, 2012, Burhaniye, Balikesir, Turkey, *X Geometric Symposium*.
- September 2 – 4, 2009, Iasi, Romania, *Workshop on Differential Geometry and Its Applications*.
- March 24 – 26, 2009, Luxembourg, *Workshop on CR and Sasakian Geometry*.

Other recent participations (selected)

- * August 1 – 9, 2018, Rio de Janeiro, Brazil, *International Congress of Mathematicians (ICM2018)*.
- * July 4 – 7, 2018, Manisa, Turkey, *the 16th International Geometry Symposium*.
- * November 2 – 5, 2017, Iasi, Romania, *International Conference of Applied and Pure Mathematics*.
- * September 19, 2017, Iasi, Romania, Conference: *Geometry Day*.
- * August 21 – 25, 2017, Leuven, Belgium, Conference PADGE: *Pure and Applied Differential Geometry*.

- * June 18 – 24, 2017, Bedlewo, Poland, conference *Differential Geometry*.
- * September 3 – 5, 2014, Istanbul, Turkey, *International workshop on Finite Type Submanifolds*.
- ✓ August 13 – 21, 2014, Seoul, Korea, *27th International Congress of Mathematicians*.
- ✓ July 21 – August 2, 2013, IMPA, Rio de Janeiro, Brazil, *29th Brazilian Colloquium of Mathematics*.
- * August 27 – 30, 2012, Leuven, Belgium, Conference PADGE: *Pure and Applied Differential Geometry*.
- ✓ July 2 – 7, 2012, Krakow, Poland, *6th European Congress of Mathematics*.
- * September 19 – 26, 2011, Golden Sands, Bulgaria, *Geometric Structures in Mathematical Physics*.
- * April 6 – 10, 2011, Fayetteville, Arkansas, USA, *36th Spring Lectures Series: Conformal geometry and Interactions with Representation Theory*.
- * September 20 – 25, 2010, Vrnjacka Banja, Serbia, *16th Geometrical Seminar*.
- ✓ August 27 – 31, 2010, Brno, Czech Republic, *the 11th conference on Diff. Geometry and Its Applications*.
June 21 – 26, 2010, Iasi, Romania, *Al. Myller Mathematical Seminar Centennial Conference*.
- ✓ September 7 – 10, 2009, Cagliari, Italy, *A Harmonic Map Fest* (in honour of J.C. Wood).
- * June 5 – 10, 2009, Varna, Bulgaria, *the 11th international conference on Geometry, Integrability and Quantization* (40 minute talk).
- ✓ July 7 – 11, 2008, Santiago de Compostela, Spain, *VIII International Colloquium on Differential Geometry* (E. Vidal Abascal centennial Congress), satellite of the 5th European Congress of Mathematics.

* – communication ✓ – poster

Research Grants

Director (Principal Investigator)

1. **CNCS-UEFISCDI (Romania) PN-III-P1-1.1-MC-2018-0251**
2. **CNCS-UEFISCDI (Romania) PN-III-P1-1.1-MCT- 2016-0033**
Invited Professor: Ovidiu Munteanu, University of Connecticut, USA (November 20-26, 2016)
3. **CNCS-UEFISCDI (Romania) PN-II-RU-TE-2011-3-0017 / 2011-2014**
Title: *New developments on submanifolds of special type in (pseudo)-Riemannian manifolds. Examples and interactions with physical phenomena*
4. **CEEX ET (Romania) 5883/2006-2008**
Title: *New aspects on quaternionic structures on differentiable manifolds and their submanifolds; applications*
5. **CNCSIS AT (Romania) GR 214/2006**
Title: *Applications of group theory in the study of some remarkable geometric structures on differentiable manifolds; representation and geometric modelling*

Member (most recent)

1. PN-II ID_398/2007-2010 (Romania)
Title: *Geometric and topologic invariants associated to some geometric structures on manifolds. Applications*
Director: Prof. I. Bucataru, University Al.I. Cuza of Iasi, Romania
2. CEEX ET 69/5871/2006-2008 (Romania)
Title: *f-structures on differentiable manifolds and biharmonicity properties*
Director: Prof. C. Oniciuc, University Al.I. Cuza of Iasi, Romania
3. CNCSIS A (Romania) 1463/2005
Title: *New geometric structures on Riemannian manifolds*
Director: Prof. V. Oproiu, University Al.I. Cuza of Iasi, Romania

4. Programme of scientific and technological cooperation between Italy and Romania 2006-2008
Title: *Reaction diffusion equations, theory, numerical methods and related optimal control problems*
Directors: Prof. V. Capasso (University of Milan, Italy);
Prof. S. Anita (University *Al.I. Cuza* of Iasi, Romania)

Travel Grants (Occasional Lecture Funds awarded in US)

1. April 20 – 24, 2011: University of Oklahoma, Norman, OK, USA
2. May 4 – 8, 2011: Universidad Metropolitana, San Juan, PR, USA
3. June 27 – 29, 2011: College of Mountain Saint Vincent, Riverdale, NY, USA

Fellowships

June – December, 2005, Rome, Italy, CNR-NATO, Advanced postdoctoral fellowship
February – May, 2005, Leuven, Belgium, postdoctoral fellowship
June – November, 2002, Potenza, Italy, CNR-NATO doctoral fellowship
February – July, 1999, Cagliari, Italy, Socrates-Erasmus doctoral fellowship
April – June, 1997, Munchen, Germany, TEMPUS fellowship for preparing the Dissertation

Schools of Mathematics

August 11-15, 2008, Jyväskylä, Finland, Summer School in (sub)-Riemannian Geometry
August 15-28, 2004, Cortona, Italy, Summer School in Differential Geometry
August 18-28, 2003, Cluj-Napoca, Romania, C.I.M.P.A. Summer School of
Algebraic Topology and Group Theory
June 30 - July 7, 2002, Martina Franca, Italy, C.I.M.E.
Course: Real Methods in Complex and CR Geometry
June 28 - July 11, 1998, Cortona, Italy, Summer School in Differential Geometry
July 14-23, 1997, Bucharest, Romania, Summer School in Convex Geometry
July 28 - August 31, 1996, Perugia, Italy, the Summer Course in Mathematics
May 1995- Sinaia, Romania, Spring School of Geometry (organized by France Embassy)

TEACHING and ADVISING

Lectures and Classes activities

- Courses (University *Al. I. Cuza* of Iasi):
 - Bachelor: *Differential Geometry, Computational Geometry, Computer Graphics* (title had changed several times)
 - Master: *Measures in Geometry, Advances in Computer Graphics*
- Course (Universita del Salento, Lecce – 2014):
 - Doctoral: *Submanifolds in semi-Riemannian manifolds*
- Exercises and laboratories (selection): Analytic Geometry, Computational Geometry, Differential Geometry, Programming C++, Measures in Geometry, Advances in Computer Graphics, Euclidean Geometry.

Erasmus (last 20 years):

Belgium: Leuven

France: Mulhouse, Lille, Valenciennes

Italy: Cagliari, Potenza, Bari, Milano, Lecce

Israel: Haifa

Spain: Granada

Turkey: Istanbul

Supervision of students

- 23 Bachelor students
- 18 Master students
- 1 Post-doc researcher (dr. Simona Luiza Druta)
- Leader of the A.I.Cuza University Team at 4th SEEMOUS (South Eastern Europe Mathematical Olympiad for University Students): February 8 – 13, 2010.

Collaboration with high-school education

- Lecture: *3 problems of construction in geometry* (Seminar Informal de Didactica Matematicii)
- Supervision of 12 high-school teachers;
- Member in committee of several competitions for high-school students;
- Continuing professional education courses for high-school teachers organized by the Faculty of Mathematics.

OTHER PROFESSIONAL ACTIVITIES

- Referee for more than 20 scientific journals (An. Mat. Polonici, J. Ineq. Appl., Bull. Korean Math. Soc., J. Geom. Phys.; J. Math. Phys.; Math. Nachr.; Meditter. Math. J.; Note di Matematica; Taiwanese J. Math.; Tsukuba J. Math.; Hokkaido Math. J., Turkish J. Math.)
- Reviewer Zbl. Math and Math. Reviews
- Member AMS
- Member in Editorial Board for the journals: Transnational Journal of Mathematical Analysis and Applications and American Journal of Applied Mathematics, Hagia Sophia Journal of Geometry.

Language skills

- Romanian – native language
- English – reading C1, listening C1, speaking C1, writing C1 (cf. certificate 2014)
- Italian – reading C1, listening C1, speaking C1, writing C1 (own evaluation)

January 7, 2018

Assoc. Prof. Ph.D. Habil. Marian Ioan Munteanu