

## CURRICULUM VITAE

1. Last name: **Neagu**

2. First name: **Mircea**

3. Place of birth: **Braşov, Romania**

4. Nationality: **Romanian**

5. Education:

University/postuniversity/doctorate

Institution	University of Bucharest, Faculty of Mathematics	University of Bucharest, Faculty of Mathematics	Polytechnic University of Bucharest
Period: since (year) till (year)	1991-1996	1996-1997	1997-2001
Diplomas	Diploma of Bachelor (Mathematics)	Diploma of Magister (Geometry)	Diploma of Doctor (Mathematics)

6. Didactical and professional experience

Position	Substitute Teacher of Mathematics	Ph.D. Student	Assistant Professor	Lecturer	Associate Professor
Period	1996 – 1997	1997 - 2001	2002 - 2004	2004 - 2014	2014 - present
Institution	Middle School No. 133	Polytechnic University of Bucharest	Transilvania University of Braşov	Transilvania University of Braşov	Transilvania University of Braşov
Place	Bucharest	Bucharest	Braşov	Braşov	Braşov

7. Current affiliation

**Transilvania University of Braşov, Romania**  
**Department of Mathematics and Computer Science**

8. Known foreign languages: **English** (medium) și **French** (medium)

9. Papers (last five years)

### 9.1. Monographs

1. A. Ionescu, A. Friedl, M. Neagu: “*Curves and Surfaces*”, Transilvania University Press, Braşov, Romania, 2019.
2. E. Popovici-Popescu, M. Neagu: “*Linear Algebra and Analytic Geometry in Space*”, Transilvania University Press, Braşov, Romania, 2020.

## 9.2. Research papers

1. M. Neagu, A. Oană: "An anisotropic geometrical approach for extended relativistic dynamics", Bulletin of the Transilvania University of Braşov, Vol. **9(58)**, No. **1** (2016), Series III: Mathematics, Informatics, Physics, 91-96.
2. V. Balan, H.V. Grushevskaya, N.G. Krylova, M. Neagu: "Multiple-relaxation-time Finsler-Lagrange dynamics in a compressed Langmuir monolayer", Nonlinear Phenomena in Complex Systems, vol. **19**, no. **3** (2016), 223-253.
3. M. Neagu, A. Oană: "Distinguished curvatures in extended relativistic dynamics", Bulletin of the Transilvania University of Braşov, Vol. **9(58)**, No. **2** (2016), Series III: Mathematics, Informatics, Physics, 25-40.
4. M. Neagu: "Riemann-Lagrange geometric dynamics for the multi-time magnetized non-viscous plasma", Differential Geometry - Dynamical Systems, Vol. **19** (2017), 87-102.
5. M. Neagu: "Riemann-Lagrange geometry for dynamical system concerning market competition", Bulletin of the Transilvania University of Braşov, Vol **11(60)**, No. **1** (2018), Series III: Mathematics, Informatics, Physics, 99-106.
6. M. Neagu: "The  $m$ -th root Finsler geometry of the Bogoslovsky-Goenner metric", "Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research. Series Mathematics and Informatics, Vol. **28**, No. **2** (2018), 41-48.
7. M. Neagu, "Riemann-Lagrange geometry for starfish/coral dynamical system", Applied Sciences, Vol. **22** (2020), 181-188.

## 9.3. Proceedings

1. V. Balan, M. Neagu, A. Oană, N.G. Krylova, H.V. Grushevskaya: "The geometry of jet Hamiltonians in Langmuir-Blodgett films", V Congress of Physicists of Belarus: Proceedings of the IX International Conference "Methods of Non-Euclidean Geometry in Physics and Mathematics" Bolyai–Gauss–Lobachevsky-9 (BGL-9), Minsk, 27 – 30 November 2015, (2016), pp. 150-157.
2. V. Balan, V.M. Red'kov, M. Neagu: "The det-induced  $m$ -th root Finsler geometry of Mueller-type submanifolds", V Congress of Physicists of Belarus: Proceedings of the IX International Conference "Methods of Non-Euclidean Geometry in Physics and Mathematics" Bolyai–Gauss–Lobachevsky-9 (BGL-9), Minsk, 27 – 30 November 2015, (2016), pp. 158-167.

## 9.4. Grants

Program/ Project	Position	Period

## 10. Memberships

**Balkan Society of Geometers, 1997.**  
**Society of Mathematical Sciences from Romania, 2003.**  
**Reviewer at Zentralblatt für Mathematik, 2018.**

## 11. Scholarships

**"TEMPUS" Scholarship (April 1, 1997 – June 30, 1997) - Université de Nice Sophia-Antipolis, France.**

## 12. Awards

1. **Diploma of Appreciation (2008) (Faculty of Mathematics and Computer Science, Transilvania University of Braşov)**, for the paper "*Jet Riemann-Lagrange geometry and some applications in Theoretical Biology*", Journal of Dynamical Systems and Geometric Theories, Vol. 6, No. 1 (2008), pp. 13-25; Authors: Ileana Rodica Nicola and Mircea Neagu.
2. **Prize CNCSIS \* ISI \* (2010) (National Council of Scientific Research from Higher Education, Bucharest)**, for the paper "*Jet geometrical extension of the KCC-invariants*", Balkan Journal of Geometry and Its Applications, Vol. 15, No. 1 (2010), pp. 8-16. Authors: Vladimir Balan and Mircea Neagu.
3. **Prize of Transilvania University of Braşov (2011) (Transilvania University of Braşov)**, for the monograph "*Jet Single-Time Lagrange Geometry and Its Applications*", John Wiley & Sons, Inc., Hoboken, New Jersey, 2011; Authors: Vladimir Balan and Mircea Neagu.
4. **Prize UEFISCDI \* ISI \* (2013) (Executive Unity for Funding of Higher Education, Research, Development and Innovation, Bucharest)**, for the paper "*Jet theoretical Yang-Mills energy in the geometric dynamics of 2D-monolayer*", Journal of Mathematical Physics, Vol. 54, 031508 (2013), pp. 1-14. Authors: M. Neagu, N.G. Krylova and H.V. Grushevskaya.

Date: **January 1, 2021**

Assoc. prof. **Mircea NEAGU**