

## CURRICULUM VITAE

**FIRST NAME:** IOAN

**LAST NAME:** BUCATARU

**YEAR OF BIRTH:** 1971

**NATIONALITY:** Romanian

### WORK ADDRESS

Alexandru Ioan Cuza University, Faculty of Mathematics,

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**LANGUAGES:** English (advanced), French (intermediate)

### EDUCATION AND DEGREES:

1. Habilitation Degree: Ministry of National Education, Romania. Thesis title: Geometric structures for differential equations fields (public defence May 24, 2013).
2. Doctoral Degree: Alexandru Ioan Cuza University, Faculty of Mathematics (April 1995 - March 1998), Thesis advisor: Acad. Prof. Dr. Radu Miron, thesis title: Prolongation of Riemannian, Finslerian and Lagrangian structures to higher order structures.
3. Master Degree: Alexandru Ioan Cuza University, Faculty of Mathematics (September 1995 - September 1996), graduation mark 10 (out of 10).
4. Bachelor Degree: Alexandru Ioan Cuza University Iasi, Faculty of Mathematics (July 1989 - June 1994), Type of Diploma Awarded: Licence Examination, graduation mark 9,92 (out of 10)

### ACADEMIC AND PROFESSIONAL EXPERIENCE:

1. October, 2013 – present: Professor, Faculty of Mathematics, Alexandru Ioan Cuza University, Iasi, Romania;
2. March, 2006 – September, 2013: Associate Professor, Faculty of Mathematics, Alexandru Ioan Cuza University, Iasi, Romania;
3. September - December, 2003-2007: Visiting Professor, Department of Earth Sciences, Memorial University, St. John's, NL, Canada, within the Memorandum of Agreement between Alexandru Ioan Cuza University and Memorial University;
4. October 1, 1998 – February 2006: Assistant Professor, Department of Geometry, Faculty of Mathematics, Alexandru Ioan Cuza University, Iasi, Romania;
5. October 1, 1997 – August 31, 2003: Researcher, Institute of Mathematics "Octav Mayer", Iasi Branch of the Romanian Academy, Iasi, Romania;
6. September 1, 2002 – April 30, 2003: Sessional lecturer, Memorial University, Department of Mathematics, St. John's, (fall session and winter session).
7. September 1, 2001 – February 28, 2002: Research associate, Department of Mechanical and Manufacturing Engineering, University of Calgary, Alberta. Collaborator: Prof. Dr. Marcelo Epstein;
8. January 1 – December 31, 2000: Sessional lecturer, University of Alberta, Department of Mathematical Sciences, Edmonton, Canada (Winter session, Spring session, and Fall session 2000);

9. September 1994 - September 1997: Assistant researcher at the "Octav Mayer" Institute of Mathematics, Iasi Branch of the Romanian Academy.

#### **FELLOWSHIPS AND AWARDS OBTAINED BY COMPETITION:**

1. 2005: The Prize "Gheorghe Titeica", awarded by the Romanian Academy of Science;
2. 2004: The Prize "In Hoc Signo Vinces" with the distinction "Magna cum Laude", for Mathematics and Natural Sciences, awarded by National University Research Council, Ministry of National Education Romania;
3. September 1, 2002 – August 31, 2003: Postdoctoral Fellowship, Department of Earth Sciences, Memorial University, St. John's, Newfoundland, Canada. Collaborator: Prof. Dr. Michael A. Slawinski, Petro-Canada Chair in Applied Seismology, Director of Geomechanics Project;
4. September 1, 2000 – December 31, 2000: Postdoctoral fellowship, University of Alberta, Department of Mathematical Sciences, Edmonton, Canada. Collaborator: Prof. Dr. Peter L. Antonelli;
5. September 1, 1999 – August 31, 2000: PIMS (Pacific Institute for Mathematical Sciences) Postdoctoral fellowship, University of Alberta, Department of Mathematical Sciences, Edmonton, Canada. Collaborator: Prof. Dr. Peter L. Antonelli.

#### **RESEARCH GRANTS OBTAINED BY COMPETITION FROM CNCSIS (NATIONAL UNIVERSITY RESEARCH COUNCIL, ROMANIA) (PROJECT LEADER)**

1. Bilateral cooperation project, 2013-2014, 6172/2013, Curvature type invariants for connectedness and metrizable problems in Finsler geometry. Applications to optimal control (total value 31400 Ron);
2. PN II IDEI 2007-2010, 1/28.09.2007, cod ID 398, Geometric and topological invariants associated to some geometrical structures on manifolds (total value 584369 Ron);
3. CEE ET 3174/2005-2007, cod 50, Finsler-Lagrange Geometry. Applications to dynamical systems (total value 60000 Ron);
4. CNCSIS AT 33373/2004-2005, cod CNCSIS 69, The geometry of group actions and physical applications of symmetries in continuum mechanics, higher order differential equations and field theory (total value 15000 Ron).

#### **MEMBERSHIP:**

1998: Member of the Romanian Mathematical Society

**RESEARCH INTEREST:** geometry of differential equations on manifolds, Finsler and Lagrange geometry, KCC (Kosambi-Cartan-Chern) theory, linear theory of elasticity, seismology - ray theory.

**SCIENTOMETRIC INDICATORS:** 42 ISI papers, Hirsch index: 12, citations (without self-citation, according to Web of Science) more than 400 (250 for ISI papers, 150 for books, chapters in books and non-ISI papers)

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[https://www.researchgate.net/profile/Ioan\\_Bucataru](https://www.researchgate.net/profile/Ioan_Bucataru)

2019-12-06

Prof. Dr. Ioan Bucataru

