

# Curriculum Vitae

## Name

Liviu Ornea

## Personal data

Born in Bucharest, Romania, July, 14-th, 1960. Married with Liana since 1984.  
Two children: Irina, born in 1987; Matei, born in 1989.

## Education

1980-1984 University of Bucharest, Faculty of Mathematics.  
1984-1985 Specialization in Algebra-Geometry (Master degree equivalent) at the same University.

## Doctorate

1992 Doctor in Mathematics at the University of Bucharest with the thesis *Geometrical structures on complex manifolds. Locally conformal Kähler structures.*

## Summer schools

"Structure of compact Lie groups", Constanta, June 1989, organized by the Mathematical Institute of the Romanian Academy.  
"Convex geometry", Bucharest, July 1997, organized by the Dortmund University.

## Present position

Professor at the Faculty of Mathematics, University of Bucharest (since 2004), with half-position as Senior Researcher I at the Institute of Mathematics "Simion Stoilow" of the Romanian Academy (since 2007).

## Teaching activity

- Courses and tutorials of: Linear algebra and geometry (I-st year), Differential geometry of curves and surfaces (II-nd year), Manifolds and Riemannian geometry (III-rd year), Variational calculus (IV-th year), Complements of Riemannian Geometry (IV-th year), Foundations of geometry (IV-th year), Algebraic and differential topology (master), Complex geometry (master).
- For current teaching see the page [Teaching - Didactică](#)

## Previous positions

- 1985-1987 Mathematics teacher in High school nr. 6, Tîrgoviste.
- 1987-1990 Mathematician, Institute for Computer Science, Bucharest.
- 1990-1991 Assistant Professor at the Politechnical University, Bucharest.
- 1991-1995 Assistant Professor at the Faculty of Mathematics, University of Bucharest.
- 1995-2001 Senior lecturer at the Faculty of Mathematics, University of Bucharest.
- 2001-2004 Associate professor at the Faculty of Mathematics, University of Bucharest.

## Fields of interest

Differential geometry of Hermitian manifolds, quaternionic structures, contact (Sasakian) structures.

### **Mathematical Publications**

- Over 40 research papers.
- The item *Hopf manifolds* in the Kluwer Encyclopedia of Mathematics.
- The monograph *Locally conformal Kähler geometry*, Progress in Mathematics 155, Birkhäuser 1998 (with Sorin Dragomir). Awarded with the "Ghe. Titeica" prize of the Romanian Academy in 1998.
- The problem book *Differentiable curves and surfaces* (in Romanian), Univ. of Bucharest Publ. House 1995.
- The textbook *An introduction to geometry* (in Romanian, with A. Turtoi), Theta Foundation Publ. House, 2000.

For a list and downloads, see the page [Publications](#)

### **Research in foreign universities and institutes**

- 1990, 1 month in Paris 7.
- 1993, 3 months at the Université Libre de Bruxelles.
- 1994, 6 months at "La Sapienza" University in Rome.
- 1996, 10 days at Debrecen University, Hungary.
- 1997, "La Sapienza" University in Rome.
- 1997, 2 months at Dortmund University.
- 1997-1998, 5 months at Paris 6 University.
- 1998, 1 month at "La Sapienza" University in Rome.
- 1998, 2 months in "Max-Planck Institut für Mathematik" Bonn.
- 1999, 2 weeks at Kumamoto University, Japan.
- 1999, 2 months at the "International Centre for Theoretical Physics *Abdus Salam*", Trieste.
- 1999, 2 weeks at the "Erwin Schrödinger International Institute for Mathematical Physics", Vienna.
- 2000, 1 month at "La Sapienza" University in Rome.
- 2000 and 2001, 1 month at Tokyo Metropolitan University.
- 2001, 1 month in Ecole Polytechnique Fédérale de Lausanne.
- 2002, 1 month at "La Sapienza" University in Rome.
- 2002, 2 weeks at the Catholic University, Leuven.
- 2003, 3 months in Ecole Polytechnique, Paris.
- 2003, 1 month at University of Basilicata, Potenza.
- 2003, 1 month at the "Erwin Schrödinger International Institute for Mathematical Physics", Vienna.
- 2003, 2 months at University of New Mexico, Albuquerque.
- 2004, 1 month at Université de Nancy.
- 2004, 1 month in Ecole Polytechnique Fédérale de Lausanne.
- 2004 - 2005, visiting professor at University of New Mexico, Albuquerque.
- 2006, 1 month at "La Sapienza" University in Rome.
- 2006, 1 month in Ecole Polytechnique Fédérale de Lausanne.
- 2006, 1 month in Ecole Polytechnique, Paris.

- 2007, 1 month at Waterloo University, Canada.

### **Lectures given in foreign universities and institutes**

Rome - La Sapienza (1991, 1994, 1998, 2000, 2002, 2003, 2006), Bruxelles - U.L.B. (1993, 1997, 2002), Leuven (1993, 2002), Lecce (1994), Potenza (1994, 1997, 1998, 2002, 2006), Palermo (1994), Debrecen (1996), Cagliari (1997, 1999, 2000), Mulhouse, Nice, Angers, Bonn (1998), Paris 7 (1998, 2003), Ochanomizu (Tokio) (1999), ICTP Trieste (1999), ESI Vienna (1999, 2003), Tokyo Metropolitan (1999, 2000, 2001), EPFL (2001), Brest (2003), New Mexico - Albuquerque, California - Riverside (2003, 2004), Ecole Polytechnique - Paris (2003, 2004), Nancy (2003, 2004), Minnesota - Minneapolis (2005), Miami (2005), Pescara (2006), Glasgow (2007), Edinburgh (2007), Waterloo (2007), Universite de Quebec a Montreal (2007), Steklov Inst. (2007).

### **Participation at international conferences**

- Second international meeting on quaternionic structures in mathematics and physics (Rome, September 1999).
- Perspectives in calibrations and gauge theories (Martina Franca, May 2000).
- Integrable systems in differential geometry (Tokyo, July 2000).
- Differential geometry and applications (Varna, August 2001).
- Geometric mechanics and its applications, MASIE, (Lausanne, July 2004).
- AMS Fall Western Section Meeting (Albuquerque, NM, October 2004).
- Special geometries in mathematics and physics (Kuehlungsborn, March 2006).
- 6th Congress of Romanian Mathematicians (Bucharest, June 2007).

### **Varia**

- Prize "Gheorghe Titeica" of the Romanian Academy in 1998 for the book *Locally conformal Kähler geometry*.
- Reviewer for *Mathematical Reviews* and *Zentralblatt für Mathematik*.
- Non-mathematical publications:
  - Theater reviews and various articles in *Scena*, *Teatrul Azi*, *Dilema*, *Dilema veche*, *Observator cultural* (weekly column since Oct. 2005), *Okean*, *Cuvintul*.
  - Translations from French:
    1. *Mitul arian* (*Le mythe arien*) and *Breviarul urii* (*Le bréviaire de la haine*), both by Leon Polyakov, EST Publishing House, 2003, 2004.
    2. *Ura de sine* (*La haine de soi*), J.-C. Attias and E. Benbassa eds., EST Publishing House, 2005.

### **Spoken languages**

- Romanian, French, English, Italian.