

**OVIDIU FLORIN PASARESCU**  
**CURRICULUM VITAE**

**BIRTH DATE:** Mai 01, 1957

**Research Interest:** Algebraic Geometry

**Other Interests:** Model Theory, Commutative Algebra, Non-commutative Algebraic Geometry, Number Theory.

**EDUCATIONAL BACKGROUND**

•**Ph. D. in Mathematics:** June 1999, University of Bucharest, Romania

**Title of the Thesis:** Discrete and Continuous Invariants and Classification Problems in Algebraic Geometry

**Thesis Advisor:** Prof. Gheorghe Galbură

•**Master in Mathematics:** June 1982, University of Bucharest, Romania

**Title of the thesis:** Rational and Ruled Surfaces

**Thesis Advisor:** Prof. Lucian Bădescu

•Fall 1977-Spring 1981, University of Bucharest, Romania. Degree received: Bachelor in Mathematics, June 1982 Field of specialization: Algebraic Geometry

**Thesis Advisor:** Prof. Lucian Bădescu

•Summer 1981, University of Perugia, Italy, Courses with Prof. Dan Laksov and Prof. Robert Kirwan.

**PROFESSIONAL EXPERIENCE**

•**General Member, MSRI Berkeley**, spring 2009

•**Global Center Of Excellence Visiting Scholar (degree of Professor)**, the University of Tokyo, winter 2009

•**Fulbright Visiting Scholar, Colorado State University (degree of Senior Investigator)**, Dpt. of Mathematics, Fort Collins, August 2007 - August 2008

•**JSPS Visiting Scholar (degree of Professor)**, The University of Tokyo, Graduate School of Math. Science, June - December 2005

•**Visiting Associate Professor, University of Iowa**, Department of Mathematics, Fall 2004

•**Visiting Professor, Australian National University**, Canberra, summer 2003

•**General Member, MSRI Berkeley**, spring 2003

•**Visiting Associate Professor (degree of Maitre de Conference, I-ere classe)**, University of Angers, France, Spring 1994

•**Principal Researcher, "Simion Stoilow" Institute of Mathematics of the Romanian Academy (IMAR)**, Bucharest, Romania, Spring 1990-present

•**Associate Professor, University of Bucharest, Romania** (temporary positions, complementary to the permanent position from Institute of Mathematics)

Spring 1992, Fall 1994, Spring 1995, Fall 1995, Spring 1996, Fall 2001, Spring 2002, and Politehnica University of Bucharest (temporary positions) autumn 2014, spring 2015

•**Research Fellow (Human capital and Mobility), University of Nice, France**, Spring 1993, Sponsor: Prof. Andre Hirschowitz

•**Researcher, National Institute for Scientific and Technical Creation (INCREST)**, Department of Mathematics, Bucharest, Romania, September 1985-Spring 1990

•**Junior Researcher, National Institute for Scientific and Technical Creation (INCREST)**, Bucharest, Romania, September 1983 - August 1985.

## RESEARCH FUNDING

•**GCOE (Global Center of Excellence) grant, the University of Tokyo**, winter 2009, co-director

•**Fulbright Scholar Fellowship (USA)**, period August 2007-August 2008, co-director

•**JSPS (Japan Soc. for the Promotion of Science) long-term Invitation fellowship**, period June – December 2005, co-director

•**Romanian Ministry of Education and Research Grant (CeEx)**, for 3 years, 2005 – 2008, member

•**Romanian Academy Research Grant (GAR)**, 2 years, period 2005-2006, co-director

•**Romanian Ministry of Education and Research Grant (CeEx)**, for 2 years, period 2005 - 2007, member

•**Romanian Ministry of Education and Research Grant (CERES)**, for 3 years, period 2004 - 2006, member

•**Romanian Ministry of Education and Research Grant (CERES)**, for 3 years, period 2000-2003, member

•**Australian National University, Canberra Research Grant**, for 7 weeks, period July- August 2003

•**Mathematical Science Research Institute (MSRI) Research Grant**, for 5 weeks, period April-May 2003.

•**Tata Institute of Fundamental Research (TIFR) Research Grant**, for 4 weeks, period January 2002

•**Member of the European Network on Algebraic Geometry (EAGER)**, as Principal Investigator (Bucharest node), period 1999-2003

•**Member of the European Network on Projective Geometry (EUROPROJ)**, as Principal Investigator (Bucharest Node at IMAR), period 1992 - 1998, **coordinator** of the Bucharest node: 1992-1994

•**European Commission Research Grant (Human Capital and Mobility)**, for 3 months, period May-July 2003, co-director

•**Romanian Research Grants (CNST)**, period 1984-1990, member.

## RESEARCH VISITS

- Mathematical Science Research Institute (MSRI) Berkeley, USA, on the "Algebraic Geometry semester", Spring 2009
- Steklov Institute of Mathematics, Russian Academy, spring 2009
- University of Tokyo, Japan, Winter 2009.
- Colorado State University, Fort Collins, USA, August 2007 - August 2008.
- Metropolitan University, San Juan, Puerto Rico, USA, February 2008.
- Joint Visit at: a) Massachusetts Institute of Technology, Harvard, USA, and
- b) Harvard University, Harvard, USA, February-March, 2008
- Circuit at: a) Notre Dame University, IN, USA, and
- b) University of New Mexico at Albuquerque, USA, and
- c) University of Kansas at Lawrence, USA, and
- d) University of Nebraska at Lincoln, USA, and
- e) California State University, Dominguez Hills, Carson, USA, November - December 2007
- The University of Tokyo, Japan, June – December 2005
- University of Iowa, Iowa City, USA, Fall Semester 2004.
- Circuit at: a) University of Iowa(Iowa City),USA, and
- b) University of Michigan (Ann Arbor), USA, and
- c) Michigan State University (East Lansing), USA, November 2003
- Australian National University, Canberra, Australia, at the "Year-long Program on Algebraic Geometry and Topology", Summer 2003
- Mathematical Science Research Institute (MSRI), Berkeley, USA, at the "Year-long Program on Commutative Algebra", Spring 2003
- University of Nevada at Reno, USA, May 2003
- Tata Institute of Fundamental Research (TIFR), Mumbai (Bombay), India, at the "Year-long Program on Algebraic Geometry and Langlands Program", Winter 2002
- "Alfred Renyi" Institute of Mathematics, Hungarian Acad. of Sciences, Budapest, Hungary, Sept. 2001
- University of Zurich, Switzerland, ICM 1990
- University of Angers, France, Spring Semester, 1994
- Joint Visit at: a) University of Nice, France and
- CIMPA, Nice, France, Fall Semester 1993
- Mittag-Lehner Institute of Mathematics, Royal Swedish Acad. of Science, Sweden, Fall 1991
- University of Ferrara, Italy, Spring 1991
- Circuit at: a) University of Bologna, Italy, and
- b) University of Florence, Italy, and
- c) University of Rome, La Sapienza, Italy,, and
- d) University of Messina, Italy, and
- e) University of Catania, Italy, Spring, 1991

- University of Ferrara, Italy, Fall 1990
- Circuit at: a) University of Bologna, Italy, and
- b) University of Trieste, Italy, Fall 1990
- Circuit at: a) The University of Tokyo, Japan, and
- b) The University of Nagoya, Japan, and
- c) The University of Kyoto, Japan, ICM 1990
- Institute of Mathematics, Bulgarian Acad., March 1989
- Institute of Mathematics, Polish Acad. (Banach Center), Warsaw, Poland, April 1987.

## **COURSES TAUGHT**

### **A. Undergraduate courses**

- Differential Equations (22M034), University of Iowa, Iowa City, USA, Fall Semester 2004
- Linear Algebra, University of Angers, France, Spring Semester 1994
- Calculus II, University of Angers, France, Spring Semester 1994
- Geometry, University of Bucharest, Romania, 1988-1989
- Differential Curves and Surfaces, University of Bucharest, Romania, Spring 1993
- Algebra (discussion session), University of Bucharest, 1983-1984, 1985-1986, 1988-1989
- Calculus I (discussion session), Politehnica University of Bucharest, Autumn 2014.

### **B. Graduate Courses/Scientific Seminars**

Birational Geometry of Projective Varieties (mainly MMP) (scientific seminar with the participation of graduate students), Spring semester 2009, Spring semester 2012, IMAR, Bucharest, Romania

Non-standard Methods in Algebraic Geometry and Number Theory, IMAR seminars, Spring 2012 and Spring 2016

Game Theory, Graduate course (master), Politehnica University of Bucharest, 2015

- Birational Geometry of Projective Varieties (mainly MMP) (scientific seminar with the participation of graduate students), Colorado State University, Fort Collins, USA, fall 2007 - spring 2008

- Flips, after Shokurov (scientific seminar with the participation of graduate students), Spring semester 2005, Institute of Mathematics, Bucharest, Romania

- Complex Curves and Surfaces (scientific seminar with the participation of graduate students), Fall Semester 2004, University of Iowa, Iowa City, USA, Fall 2004

- Minimal Model Program (Mori Program) for Projective Varieties (advanced course for researchers and advanced students), Spring Semester 2004, Inst. of Mathematics, Bucharest, Romania

- Algebraic Curves and Surfaces, University of Bucharest, 1994-1995, 1995-1996, 2000-2001

- Subvarieties of the Projective Space, University of Bucharest, Fall Semester 1998
- Kahler Varieties, University of Bucharest, 1996-1997
- Algebraic Surfaces in  $P^3$  with Nodes (scientific seminar with the participation of graduate students), INCREST, Bucharest, Romania, Spring 1989
  - Fibers of Elliptic Fibration (scientific seminar with the participation of graduate students), INCREST, Bucharest, Romania, Fall 1988
  - General Grothendieck-Hirzebruch-Riemann-Roch Theorem (scientific seminar with the participation of graduate students), INCREST, Bucharest, Spring 1987.

Some of the students in these courses were: Mihnea Popa (Professor, Univ. of Illinois at Chicago, USA), Mircea Mustata (Professor, University of Michigan, Ann Arbor, USA), Marian Aprodu (IMAR Bucharest, Romania), Anda Degeratu (Visiting Assistant Professor, Duke University, Durham, USA), Paul Lupascu (University of Zurich, Switzerland, postdoc position), Dan Moraru (McMaster University, Ontario, Canada, post-doc position).

## **SERVICE**

### **A. Professional**

- Serving as reviewer for Mathematical Reviews, since 1986
- Serving as reviewer for Zentralblatt fur Mathematik, since 1986.

### **B. Departmental**

- Main organizer of the International School on "Characteristic p Methods in Algebraic Geometry", Drobeta Turnu Severin. July 2007
  - Serving as the coordinator of the Romanian node in the European Network on Projective Geometry (EUROPROJ), 1992-1994
  - Serving as coordinator during the International Olympiade of Mathematics, 1999

## **MEMBERSHIPS**

- US-Romania Dpt. of State Alumni (coordinated by the US embassy) (since 2014)
- Fulbright Romanian Alumni (coordinated by the Fulbright Commission) (since 2008)
- American Mathematical Society (1985-1995)
- Romanian Mathematical Society (since 1983)
- EUROPROJ: European Network on Algebraic Geometry (1991-1999)
- EAGER: European Network on Algebraic Geometry (1999-2006).

## **AWARDS and FELLOWSHIPS**

- GCOE (Global Center of Excellence) grant, Japan, Winter 2009
- Fulbright Scholar Fellowship, 2007-2008
- Japan Society for the Promotion of Sciences (JSPS), Invitation fellowship, long-term, 2005
  - Human Capital and Mobility fellowship (of the European Commission), spring 1993.
  - Eager Travel Grant, Erice, Italy, Summer 2002 (there it was a Conference organized by Prof. David Eisenbud and others)
  - NATO Research Support, Erice, Italy, Summer 2002
  - Second prize at the national competition of undergraduate students: "Traian Lalescu", Romania, 1978
- Third price at the national competition of high-school students, Romania, 1976.









