

Mircea A. Voineagu, Ph.D

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EMPLOYMENT **Assistant Professor(Non-Tenure Track)** (August 2007-present)
University of Southern California, USA

Visiting Researcher (03/2007-05/2007)
Fields Institute, Toronto, Canada

EDUCATION **Ph.D Mathematics** (05/2007), Northwestern University, USA
Adviser: Prof. Eric Friedlander
Ph.D thesis title: Semi-topological K-theory of certain projective varieties
Diploma in Mathematics (05/2002), Kaiserslautern University, Germany
B.A Mathematics (01/2001), University of Bucharest, Romania

RESEARCH INTEREST *Algebraic Geometry/ K-theory*
In particular: Motivic and Morphic Cohomology, Semi-Topological K-theory

RESEARCH PUBLICATIONS 1. *Semi-topological K-theory of certain projective varieties, J. Pure Appl. Algebra 212 (2008), no. 8, 1960–1983*

2. *Cylindrical homomorphisms and Lawson homology (to appear in Journal of K-theory). arXiv:0904.3374*

3. *Vanishing theorems for real algebraic cycles, submitted to American Journal of Mathematics (with J.Heller). arXiv:0909.0569*

4. *A Real Semi-topological Spectral Sequence and Applications, in preparation (with J. Heller)*

5. *Quaternionic and Equivariant Morphic Cohomology, work in progress (with E. Friedlander and J. Heller)*

INVITED TALKS 12/2009 Southern California Algebra Conference, UCLA, USA

10/2009 University of Southern California, USA, Algebra Seminar

10/2007 University of Southern California, USA, Algebra Seminar

04/2007 Fields Institute, Canada, Homotopy Theory Seminar

11/2006 Ohio State University, USA, Algebraic Geometry Seminar

10/2006 University of Notre Dame, USA, Topology Seminar

10/2006 University of Notre-Dame, USA, Graduate Topology Seminar

10/2005 American Mathematical Society Meeting (conference), K-theory and Motivic Cohomology, University of Nebraska, USA

03/2005 University of New Mexico, USA, Arizona Winter School

04/2004 Northwestern University, USA, Yuri Manin Seminar

03/2003 Northwestern University, USA, Graduate Algebraic Geometry Seminar

04/2002 Kaiserslautern University, Germany, Algebraic Geometry Seminar

PROFESSIONAL ACTIVITIES Elected member of the Merit Committee, Department of Mathematics, University of Southern California, 2009

Organizer of "Suslin's Conjecture Seminar", Northwestern University, USA, Spring 2006

GRANT PROPOSALS SUBMITTED 10/2009 NSF Grant Proposal 1002675 "Algebraic cycles on real varieties, Suslin's conjecture, and semi-topological theories"

FELLOWSHIPS AND AWARDS 2003-2007 Graduate Teaching Assistanship, Northwestern University, USA
2002-2003 University Fellowship, Northwestern University, USA,
1999-2002 University Fellowship, Kaiserslautern University, Germany,
1998-1999 Performance Fellowship, Bucharest University, Romania, (the most prestigious award of Bucharest University)
1996-2000 University Fellowship, Bucharest University, Romania,

TEACHING EXPERIENCE 1) *Instructor* University of Southern California
Spring 2010

Statistics and Probabilities for Business Students

2) *Instructor* University of Southern California
Fall 2009

Calculus for Business and Economics Students

3) *Instructor* University of Southern California
Spring 2009

Statistics and Probabilities for Business Students

4) *Instructor* University of Southern California
Fall 2008

Calculus for Business and Economics Students

5) *Instructor* University of Southern California
Spring 2008

Pre-Calculus, Calculus for Business and Economics Students

6) *Instructor* University of Southern California
Fall 2007

Calculus I, Calculus for Business and Economics Students

7)*Instructor* Northwestern University
Summer 2007

Introduction to Higher Mathematics

8)*Instructor* Northwestern University
Summer-Fall 2006

Linear Algebra II, Linear Algebra with Applications in Economics

9)*Teaching Assistant* Northwestern University
2002-2005

Introduction to Mathematics, Calculus I,II,IV, Linear Algebra, Introduction to Modern Algebra, Topology, Introduction to Modern Analysis, Introduction to Number Theory

10)*Teaching Assistant* Kaiserslautern University
2001

Sheaf Theory, Commutative Algebra

PROFESSIONAL
TEACHING
ACTIVITIES

Teaching Certificate (given by Searle Center For Teaching Excellence, Northwestern University, after being part in its one year program)
Attended various Faculty Development Workshops, Northwestern University

REFERENCES

Prof. Eric Friedlander, University of Southern California, USA
Prof. Andrei Suslin, Northwestern University, USA
Prof. Mark Walker, University of Nebraska-Lincoln, USA
Prof. Christian Haesemeyer, UCLA, USA
Prof. Alan Schumitzky, University of Southern California, USA (teaching)