

# Curriculum Vitae

NAME: Cornelia Vizman

BORN: 18.02.1968, Moldova-Noua, Romania

FAMILY: Married to Daniel Vizman, two children

## A. EDUCATION

May, 2014 - Habilitation in Mathematics, Topic: "Diffeomorphism groups and geometric mechanics", University of Bucharest

June, 1994 - Ph.D. degree in Mathematics. Topic: "Coadjoint orbits in infinite dimensions"

1992-1994 - Ph.D. study, University of Vienna, Austria

1991 - Licentiate in Mathematics, West University of Timisoara; Degree: MSc (equivalent). Topic: "Higher homotopy groups"

1986-1991 - Student of the Faculty of Mathematics, West University of Timisoara, Romania

## B. EMPLOYMENT

2012-to date - Associate Professor at the Faculty of Mathematics and Informatics, Department of Mathematics, West University of Timisoara.

1999-2012 - Lecturer at the Faculty of Mathematics and Informatics, Department of Mathematics, West University of Timisoara.

1994-1999 - Assistant Professor at the Faculty of Mathematics and Informatics, Department of Mathematics, West University of Timisoara.

## C. SCHOLARSHIPS WON BY COMPETITION

- EDGE postdoctoral fellowship at University La Sapienza of Rome, 2002

- DAAD research grant at Technical University Darmstadt, 2001

- OAD doctoral scholarship at University of Vienna, 1992-1993

## D. REASEARCH STAGES

Jan-Feb 2015 - Program "Infinite-dimensional Riemannian Geometry with Applications to Image Matching and Shape Analysis" held at the Erwin Schroedinger Institute in Vienna.

August-Sept. 2004 - Program "Geometric Mechanics and its Applications", Bernoulli Center EPFL

August-Sept. 2003 - Program "Poisson Geometry and Moment Maps", Erwin Schroedinger Institute, Vienna

Nov.-Dec. 2000 - Program "Geometry and Topology of Fluid Flows", Isaac Newton Institute for Mathematical Sciences, Cambridge

#### E. INVITED TALKS

Invited talks at several universities: Imperial College London, Technical University Darmstadt, Institut Henri Poincaré Paris, University Santiago de Compostela, Ecole Polytechnique Fédérale Lausanne EPFL, University of Geneva, University of Paderborn, University of Vienna, Claude Bernard University Lyon, La Sapienza University Rome, Technical University Lisbon, Friedrich-Alexander University Erlangen-Nürnberg, Surrey University, University of Sheffield

#### F. RESEARCH PROJECT DIRECTOR

- PN-III-P4-ID-PCE-2016-0778 "Nonlinear Grassmannians and diffeomorphism groups", 2017-2019, financed by UEFISCDI with 563875 RON.
- PN-II-ID-PCE-2011-3-0921 "Diffeomorphism groups, fluid dynamics and related geometric structures", 2011-2016, financed by UEFISCDI with 275000 RON.
- CNCSIS 95GR "The geometric study of some evolution equations: stability, first integrals, periodic orbits", 2007-2008, financed by CNCSIS with 85000 RON.

#### G. TEACHING

- Differential Geometry, Affine and Euclidean Geometry, Curves and Surfaces, Transformation Groups, Lie Groups, Projective Algebraic Curves, Algebraic Topology, Spectral Geometry, Poisson Geometry, Non-Euclidean Geometry, Computational Geometry, Dynamical Systems
- Doctoral minicourse: 3 talks on "The non-linear Grassmannian of codimension two submanifolds and the vortex filament equation", University of Metz, June 2004.
- Presentation for doctoral students "Dual pairs in infinite dimensions with applications to fluid dynamics", in the frame of International Research Training Group 1529, Technical University Darmstadt, Jan. 2010
- Erasmus teaching: Master courses: "Extensions of Lie groups", University La Sapienza Rome, May 2008 and "Diffeomorphism groups", University of Santiago de Compostela, March 2010. Doctoral course "Noncommutative integrability and dual pairs in symplectic and contact geometry", University of Padova, May 2013.

#### G. FOREIGN LANGUAGES

German, English, French