CURRICULUM VITAE
PD Dr. Antonios Manoussos

Personal Data

Surname:	Manousos
Name:	Antonios
Date of birth:	April 27, 1965
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Academic Qualifications

– Habilitation, Dept. of Mathematics, University of Bielefeld, Germany, 2010 (22.07.2010).

– Ph. D. in Mathematics, Dept. of Mathematics, University of Athens, Greece, 1993 (03.11.1993).

– B. Sc. in Mathematics, Degree "Ptichion" in Mathematics, Dept. of Mathematics, University of Athens, Greece, 1987 (29.07.1987).

Scholarships

1990 – 93: Scholarship from the Greek State Scholarship Foundation (I.K.Y.).

Research Interests

Dynamics of Linear Operators, Topological Dynamics and Transformation Groups.

The main characteristic of my research work is to bring together methods and ideas from the theories of Topological Transformation Groups, Dynamical Systems, Actions of Algebraic and Lie Groups, Dynamics of Linear Operators and Operator Theory in order to study the dynamic behavior of various objects in these theories.

Academic Positions

21.06.2007 – 30.06.2015: Researcher, member (Akademischer Mitarbeiter) of SFB 701 "Spektrale Strukturen und Topologische Methoden in der Mathematik" (Collaborative Research Center 701 "Spectral Structures and Topological Methods in Mathematics"), Dept. of Mathematics, University of Bielefeld.

2004 – 05: Visiting Assistant Professor, Dept. of Applied Mathematics, University of Crete, Greece (spring semester), Dept. of Mathematics, University of Crete, Greece (fall semester).

2003 – 2004: Visiting Lecturer, Dept. of Mathematics, University of Crete, Greece.

2002 – 2003: Visiting Lecturer, Dept. of Applied Mathematics, University of Crete, Greece.

1997 – 2007: Visiting Researcher, SFB 701 "Spektrale Strukturen und Topologische Methoden in der Mathematik" (Collaborative Research Center 701 "Spectral Structures and Topological Methods in Mathematics"), Dept. of Mathematics, University of Bielefeld, Germany. Periods: 30.01.2007 – 30.03.2007, 01.09.2006 – 31.12.2006, 01.07.2005 – 20.04.2006, 17.10.2002 – 10.11.2002, 01.09.1998 – 29.09.1998 and 20.02.1997 – 20.03.1997.

Teaching Experience

General Topology (winter term 2007/08, Department of Mathematics, University of Bielefeld, Germany, in English)
Analysis I & II, Calculus, Linear Algebra I & II, Transformation groups, Dynamical systems, Mathematics for chemists (2002 – 2005 Department of Mathematics and Department of Applied Mathematics, University of Crete, Greece, in Greek) .

External reviewer for Ph.D. and Habilitation dissertations

- External reviewer for the PH.D. dissertation of Dr Yunied Puig de Dios in the Universidad Politecnica de Valencia, Spain entitled "Recurrence in Linear dynamics" (2014). Supervisor: Alfred Peris.

- External reviewer for the PH.D. dissertation of Dr Marina Murillo Arcila in the Universidad Politecnica de Valencia, Spain entitled "Strong mixing measures and invariant sets in linear dynamics" (2014). Supervisor: Alfred Peris.

- External reviewr for the Habilitation dissertation of Dr. Adlene Ayadi in the University of SFAX, Biserte, Tunisia entitled "Topological dynamics of linear and affine abelian semigroups on $\mathbb{R}^n$ or $\mathbb{C}^n$. Supervisor: Habib Marzougui.

Professional Activities

- Reviewer in the Mathematical Reviews of the AMS and in Zentralblatt MATH.

- Referee in the following journals: Proceedings of the American Mathematical Society, Journal of Mathematical Analysis and Applications, Houston Journal of Mathematics, Acta Mathematica Sinica, Revista de la Real Academia de Ciencias Exactas,Fisicas y Naturales. Serie A. Matematicas, RACSAM and Matemática Contemporânea, Brazilian Math. Soc.

- Member of the A.M.S. (1999 –).

Publications

A. Published Papers

1. (with H. Abels) *Linear semigroups with coarsely dense orbits*, Israel J. Math. **200** (2014), 327-341.

2. *Coarse topological transitivity on open cones and coarsely J-class and D-class operators*, J. Math. Anal. Appl. **413** (2014), 715-726.

3. (with G. Costakis and I. Parissis) *Recurrent linear operators*, Complex Anal. Oper. Theory **8** (2014), 1601-1643.

4. *A Birkhoff type transitivity theorem for non-separable completely metrizable spaces with applications to Linear Dynamics*, J. Operator Theory **70** (2013), 165-174.

5. (with P. Strantzalos) *Properness, Cauchy-indivisibility and the Weil completion of a group of isometries*, Pacific J. Math. **259** (2012), 421-443.

6. (with H. Abels) *A group of isometries with non-closed orbits*, Topology Appl. **159** (2012), 3638-3639.

7. (with G. Costakis) *J-class operators and hypercyclicity*, J. Operator Theory. **67** (2012), 101-119.

8. (with H. Abels) *Topological generators of abelian Lie groups and hypercyclic finitely generated abelian semigroups of matrices*, Adv. Math. **229** (2012), 1862-1872.

9. (with H. Abels and G. Noskov) *Proper actions and proper invariant metrics*, J. London Math. Soc. (2) **83** (2011), 619-636.

10. *On the action of the group of isometries on a locally compact metric space*, Münster J. Math. **3** (2010), 209-212.

11. *The group of isometries of a locally compact metric space with one end*, Topology Appl. **157** (2010), 2876-2879.

12. (with G. Costakis and D. Hadjiloucas) *On the minimal number of matrices which form a locally hypercyclic, non-hypercyclic tuple*, J. Math. Anal. Appl. **365** (2010), 229-237.

13. (with G. Costakis and D. Hadjiloucas) *Dynamics of tuples of matrices*, Proceedings of the A.M.S. **137** (2009), 1025-1034.

14. (with G. Costakis) *J-class weighted shifts on the space of bounded sequences of complex numbers*, Integral Equations Operator Theory **62** (2008), 149–158.

15. (with P. Strantzalos) *On embeddings of proper and equicontinuous actions in zero-dimensional compactifications*, Transactions of the A.M.S. **359** (2007), 5593-5609.

16. (with P. Strantzalos) *On the group of isometries on a locally compact metric space*, J. Lie Theory **13** (2003), 7-12.

17. (with A.P. Donsig and A. Katavolos) *The Jacobson radical for analytic crossed products*, J. Functional Analysis **187** (2001), 129-145.

18. (with K. Athanassopoulos) *Minimal flows on multipunctured surfaces*, Bull. London Math. Soc. **27** (1995), 595-598.

B. Papers Submitted for Publication

1. (with G. Costakis and A.B. Nasseri) *Dynamics of perturbations of the identity operator by multiples of the backward shift on $l^\infty(\mathbb{N})$*, http://arxiv.org/abs/1302.1736.

Habilitation Thesis

– Limit sets and asymptotic methods in Operator Theory, Topological Transformation Groups and Dynamical Systems, Habilitation Thesis, Dept. of Mathematics, University of Bielefeld, Germany, 2010.

Ph.D. Thesis

– Contribution to the study of D-stable Actions, Ph.D. Thesis, Dept. of Mathematics, University of Athens, 1993 (in Greek). Advisor: Prof. P. Strantzalos.

Selected Talks

– *Limit sets and asymptotic methods in Operator Theory, Transformation Groups and Dynamical Systems*, Colloquium, Department of Mathematics, University of Bielefeld, 28/1/2010, Bielefeld, Germany.

– *Proper actions and proper invariant metrics*, Mini-Workshop: Lie groups, algebraic groups and transformation groups, Department of Mathematics, University of Bielefeld, July 24-25, 2008, Bielefeld, Germany.

– *On embeddings of proper and equicontinuous actions in zero-dimensional compactifications*, International Conference on Topology and its Applications, Department of Mathematics, University of Patras, June 23-26, 2006, Aegion, Greece.

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