Curriculum vitae

Personal.
Born on 15 April 1972 in Athens, Greece. Married to Vasiliki Beri.

Current Position.
Assistant Professor, Department of Mathematics, University of Crete.

Education-Employment.
1990-1994 Univ. of Athens, Dep. of Math. B.Sc. in Math.
1994-2000 Univ. of Athens, Dep. of Math. M.Sc. in Math.
1996-2000 Univ. of Athens, Dep. of Math. Ph.D. in Math., Advisor I. Stratis.
2000-2002 Univ. of Maryland, USA, Dep. of Math. Visiting Assistant Prof.
2003-2004 Univ. of Edinburgh, GB, Dep. of Math. Research Associate.
2004-2007 Univ. of Crete, Dep. of Math. Visiting Assistant Prof.
2007-2010 Univ. of Crete, Dep. of Math. Assistant Prof.

Mathematical Interests
1) Partial Differential Equations (Scattering Theory).
2) Complex Analysis (Complex Approximation and Universality).
3) Operator Theory and Dynamical Systems (Dynamics of Linear Operators).
4) Ergodic Theory (Skew-products of Linear Operators).

Teaching Experience
University of Maryland, Dep. of Math.
1 semester Multivariable Calculus.
3 semesters Ordinary Differential Equations.

University of Crete, Dep. of Math.
1 semester Classical Analysis.
1 semester Probability Theory.
1 semester Calculus III.
1 semester Mathematics I for the Dep. of Chemistry.
1 semester Functional Analysis.
1 semester Introduction to Analysis II.
1 semester Laboratory in Analysis.
1 semester Ordinary Differential Equations (graduate).
1 semester Measure Theory (graduate).
2 semesters Mathematics II for the Dep. of Chemistry.
2 semesters Calculus I.
3 semesters Ordinary Differential Equations.

Talks in Conferences and Workshops
1. 7th Panhellenic Conference in Mathematical Analysis, Nicosia, Cyprus (1999).
2. 4th International Workshop on Mathematical Methods in Scattering Theory and Biomedical Technology, Perdika, Thesprotia, Greece (1999).
3. Conference in Mathematical Analysis, Univ. of Crete (2000).

4. Journees d'analyse complexe, TDF Univ. of Metz, France (2003).

5. Young researchers days of the HARP network, Univ. D'Orleans, Dep. of Math., France (2003).

6. BMC (British Math. Colloqium) Belfast, Queen Univ., GB (2004).

7. Young researchers days of the HARP network, Univ. of Edinburgh, GB (2004)

8. International Conference in Mathematical Analysis, Univ. of Granada, Spain (2004).

9. International Conference in Mathematical Analysis, Univ. of Mainz, Germany (2005).

10. International Conference in Complex and Harmonic Analysis, dedicated to the memory of N. Danikas, Aristotle Univ. of Thessaloniki, Greece (2006).

11. International Conference in Complex and Fourier Analysis, Univ. of Cyprus, Cyprus (2006).

12. Mini Workshop: Hypercyclicity and Linear Chaos, Oberwolfach, Germany (2006).

13. Conference in Complex Analysis, Tag der Functionentheorie, Univ. of Trier, Germany (2007).

14. 1st France-Spanish Conference in Mathematics, Zaragoza, Spain (2007).

15. Mini Workshop: Complex Approximation and Universality, Oberwolfach, Germany (2008).

16. 12th Panhellenic Conference in Mathematical Analysis, Univ. of Athens, Greece (2008).

17. Conference in Hypercyclicity, Univ. Polit. de Valencia, Spain (2009).

Talks in Math Departments
1. Univ. of Athens, Grrece (2000).
2. Univ. of Edinburgh, GB (2000).
3. Univ. of Crete, Greece (2000).
4. Univ. of Maryland, College Park, USA (2000).
5. Michigan State Univ., USA (2001).
6. Aristotle Univ. of Thessaloniki, Greece (2002).
7. Univ. of Edinburgh, GB (2003).
8. Queen Univ. Belfast, GB (2003).
9. Univ. of Crete, Greece (2004).
10. Univ. of Bielefeld, Germany (2005).
11. Univ. of Crete, Grrece (2005).
12. Univ. of Cyprus, Cyprus (2006).
13. Univ. of Crete, Greece (2006).
14. Univ. of Athens, Greece (2006).
15. Univ. of Bielefeld, Germany (2007).
16. Univ. of Crete, Greece (2007).
14. Univ. of Trier, Germany (2007).
15. Univ. Polit. de Valencia, Spain (2008).
16. Univ. of Crete, Greece (2008).
17. Univ. of Bielefeld, Germany (2009).
18. Univ. of Crete, Greece (2009).
19. KTH Royal Instit. of Technol. Stockholm, Sweden (2009).
20. Univ. of Crete, Greece (2010).

21. Insit. Super. Tecn. Lisbon, Portugal (2010).

Students
P. Mavroudis "Dynamics of Linear Operators", Masters'thesis.
K. Tsatsas "Continuous Nowhere Differentiable Functions", Diploma thesis.
N. Aggouridis "Sarkovskii's Theorem", Diploma thesis.

Referee for the following journals
1. Siam J. Math. Anal.
2. Boundary Value Problems.
3. Complex Var. Elliptic Equat.
4. Ann. Polon. Math.
5. J. Math. Anal. Appl.
6. J. Funct. Anal.
7. Proc. Amer. Math. Soc.

Publications

Published
1. Some remarks on universal functions and Taylor series, *Math. Proc. Camb. Phil. Soc.* 128 (2000), 157-175.

2. On a conjecture of D. Herrero concerning hypercyclic operators, *C. R. Acad. Sci. Paris Ser. I Math.* 330 (2000), 179-182.

3. On the range of universal functions, *Bull. Lond. Math. Soc.* 32, (2000), 458-464 (joint with . Melas).

4. On some properties of Beltrami fields in chiral media, *Rep. Math. Phys.* 45 (2000), 257-271 (joint with C. Athanasiadis and I. G. Stratis).

5. Electromagnetic scattering by a homogeneous chiral obstacle in a chiral environment, *IMA J. Appl. Math.* 64 (2000), 245-258 (joint with C. Athanasiadis and I. G. Stratis).

6. Low frequency electromagnetic scattering from a nonchiral object in a chiral environment, in Electromagnetic Scattering Theory and Biomedical Technology: Modelling and Applications, G. Dassios, D. Fotiadis, C. Massalas and K. Kiriaki, eds., World Scientific, New Jersey (2000), 38-49 (joint with C. Athanasiadis and I. G. Stratis).

7. Electromagnetic scattering by a perfectly conducting obstacle in a homogeneous chiral environment: solvability and low frequency theory, *Math. Meth. Appl. Sci.* 25 (2002), 927-944 (joint with C. Athanasiadis and I. G. Stratis).

8. Hypercyclic semigroups and somewhere dense orbits, *C. R. Math. Acad. Sci. Paris* 335 (2002), 895-898 (joint with A. Peris).

9. Topologically mixing hypercyclic operators, *Proc. Amer. Math. Soc.* 132 (2004), 385-389 (joint with M. Sambarino).

10. Genericity of wild holomorphic functions and common hypercyclic vectors, *Adv. Math.* 182 (2004), 278-306 (joint with M. Sambarino).

11. Transmission problems in contrasting chiral media, *Rep. Math. Phys.* 53 (2004), 143-156 (joint with C. Athanasiadis and I. G. Stratis).

12. A generic result concerning univalent universal functions, *Arch. Math.* 82 (2004), 344-351 (joint with V. Vlachou).

13. Identical approximative sequence for various notions of universality, *J. Approx. Theory* 132 (2005), 15-24 (joint with V. Vlachou).

14. Universal Taylor series on doubly connected domains with respect to every center, *J. Approx. Theory* 134 (2005), 1-10.

15. On the radial behavior of universal Taylor series, *Monatsh. Math.* 145 (2005), 11-17.

16. Zeros and interpolation by universal Taylor series on simply connected domains, *Math. Proc. Camb. Phil. Soc.* 139 (2005), 149-159.

17. Universal Laurent Series, *Proc. Edinb. Math. Soc.* 48 (2005), 571-583 (joint with V. Nestoridis and I. Papadoperakis).

18. Boundary behavior of universal Taylor series and their derivatives, *Constr. Approx.* 24 (2006), 1-15 (joint with D. Armitage).

19. Somewhere dense Cesaro orbits and rotations of Cesaro hypercyclic operators, *Studia Math.* 175 (2006), 249-269 (joint with D. Hadjiloucas).

20. Universal Taylor series on non-simply connected domains, *Analysis(Munich)* 26 (2006), 347-363 (joint with V. Vlachou).

21. Universal Taylor series on open subsets of $\mathbb{R}^n$, *Analysis(Munich)* 26 (2006), 401-409 (joint with M. Marias and V. Nestoridis).

22. Extensions of a theorem of Bourdon and Feldman on somewhere dense orbits, *Oberwolfach Rep.* 3 (2006), 2266-2267.

23. Smooth univalent universal functions, *Math. Proc. R. Ir. Acad.* 107 (2007), 101-114 (joint with V. Vlachou and V. Nestoridis).

24. Approximation by translates of entire functions, Complex and Harmonic Analysis, 213-219, DEStech Publ.,Inc., Lancaster, PA, 2007.

25. Topologically Transitive Skew-Products of Backward Shift Operators and Hypercyclicity, *Proc. Amer. Math. Soc.* 136 (2008), 937-946 (joint with D. Hadjiloucas).

26. Common hypercyclic entire functions for multiples of differential operators, *Colloq. Math.* 111 (2008) 199-203 (joint with P. Mavroudis).

27. J-class weighted shifts on the space of bounded sequences of complex numbers, *Integral Equations Operator Theory* 62 (2008), 149-158 (joint with A. Manoussos).

28. Which maps preserve universal functions? *Oberwolfach Rep.* 5 (2008), 328-331.

29. Dynamics of tuples of matrices, *Proc.Amer. Math. Soc.* 137 (2009), 1025-1034 (joint with D. Hadjiloucas and A. Manoussos).

30. The hypercyclicity criterion and hypercyclic sequences of multiples of operators, *J. Operator Theory* 62 (2009), 341-355 (joint with D. Hadjiloucas).

31. Topologically Transitive Skew-Products of Operators, *Ergodic Theory and Dynamical Systems* 30 (2010), 33-49 (joint with F. Bayart and D.Hadjiloucas).

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

33. J-class operators and hypercyclicity, to appear in *J. Operator Theory* (joint with A. Manoussos).