

Curriculum Vitae

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CONTACT INFORMATION

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PERSONAL DATA

Date of birth : 17 January 1974
Citizenship : Greek
Military service : May 2002 – October 2003
Marital status : Married + 2
Languages : Greek, English, French

EDUCATION/DIPLOMAS

2009: Habilitation à Diriger des Recherches (HDR), *Université Pierre et Marie Curie – Paris 6, Equipe d'Analyse Fonctionnelle.*

2000–2003: PhD in Mathematics, *National Technical University of Athens, Department of Mathematics.*

1997–2000: MSc in Applied Mathematics, *National Technical University of Athens, Department of Mathematics.*

1991–1997: MSc in Electrical Engineering, *National Technical University of Athens, Department of Electrical Engineering.*

EMPLOYMENT

2010–PRESENT: Assistant Professor, *University of Athens, Department of Mathematics*.

2008–2009: Visiting Assistant Professor, *Texas A&M University, Department of Mathematics*.

2007–2008: PostDoc Fondation Sciences Mathématiques de Paris, *Université Pierre et Marie Curie – Paris 6, Equipe d'Analyse Fonctionnelle*.

2006–2007: Visiting Assistant Professor, *Athens University of Economics and Business, Department of Statistics*.

2004–2006: PostDoc EU Research Program ΠΥΘΑΓΟΡΑΣ, *National Technical University of Athens, Department of Mathematics*.

RESEARCH INTERESTS

Analysis & combinatorics

 Ramsey theory

 Geometry of Banach spaces

 Descriptive set theory

PROFESSIONAL SERVICES

MR reviewer.

Conference organization:

 08/2012: *Geometry of Banach spaces*, CIRM, Luminy, France.

RESEARCH GRANTS

NSF grant DMS-0903558 “Set Theory and the geometry of Banach spaces”.

TEACHING EXPERIENCE

Functional Analysis (graduate course), Measure Theory (graduate course), Calculus in Banach spaces, Differential Equations, Calculus I, II & III.

SHORT VISITS

- 01/2013: University of Warwick, UK.
 06/2010: Equipe de Logique Mathématique, Paris 7, France.
 11/2009: Instituto de Ciencias Matemáticas, Spain.
 04/2009: Caltech, USA.
 03/2009: Equipe d'Analyse Fonctionnelle, Paris 6, France.
 04/2008: University of Texas at Austin, USA.
 04/2008: Texas A&M, USA.
 03/2008: University of North Texas, USA.
 03/2008: University of Toronto, Canada.
 10/2006: University of Illinois at Urbana-Champaign, USA.
 10/2006: Caltech, USA.
 01/2006: Equipe d'Analyse Fonctionnelle, Paris 6, France.
 04/2005: University of Illinois at Urbana-Champaign, USA.
 04/2005: Caltech, USA.

TALKS

- 12/2015: *Descriptive Set Theory in Paris 2015*, Paris 6 (invited).
 08/2014: *Brazilian Workshop in Geometry of Banach Spaces*, Maresias (São Paulo), Brazil (tutorial).
 07/2014: *38 Summer Symposium in Real Analysis*, Prague, Czech Rep. (invited).
 06/2014: *Interpolation and Banach Space Constructions*, CIEM, Castro Urdiales, Spain (tutorial).
 10/2013: *Workshop on Descriptive Set Theory*, ESI, Vienna, Austria (invited).
 01/2013: Analysis Seminar, University of Warwick (invited).
 12/2012: *Descriptive Set Theory in Paris 2012*, Paris 6 (invited).
 07/2012: *Continuous Logic and Functional Analysis*, Lyon, France (tutorial).
 06/2012: *Banach Spaces Workshop*, Birmingham, UK (invited).
 12/2011: *Descriptive Set Theory in Paris 2011*, Paris 6 (invited).
 05/2011: *Ramsey Theory in Logic, Combinatorics and Complexity*, Bertinoro, Italy (invited).
 11/2010: *Meeting in Analysis for Young Researchers*, Athens, Greece (invited).
 10/2010: *Workshop on Concentration Phenomenon, Transformation Groups and Ramsey Theory*, Fields Institute, Toronto, Canada (invited).

- 10/2010: Analysis Seminar, University of Athens (invited).
06/2010: Séminaire Général de Logique, Paris 7 (invited).
02/2010: Analysis Seminar, University of Crete (invited).
12/2009: *Descriptive Set Theory in Paris 2009*, Paris 6 (invited).
06/2009: *ESI conference on Descriptive Set Theory*, Vienna, Austria (tutorial).
04/2009: Caltech–UCLA Logic Seminar (invited).
03/2009: Séminaire d’Initiation à l’Analyse, Paris 6 (invited).
02/2009: Linear Analysis Seminar, Texas A&M (invited).
01/2009: Analysis Seminar, University of Athens (invited).
11/2008: Banach Space Seminar, Texas A&M (invited).
07/2008: *Logic Colloquium 2008*, Bern, Switzerland (invited).
04/2008: Banach Space Seminar, Univ. of Texas at Austin (two invited talks).
04/2008: Banach Space Seminar, Texas A&M (invited).
03/2008: Millican Colloquium Series, University of North Texas (invited).
03/2008: Set Theory Seminar, Fields Institute, Toronto (invited).
03/2008: Séminaire d’Initiation à l’Analyse, Paris 6 (invited).
02/2008: Model Theory Seminar, University of Lyon (invited).
12/2007: Séminaire Général de Logique, Paris 7 (invited).
12/2007: Functional Analysis Seminar, University of Besançon (invited).
10/2007: Séminaire d’Initiation à l’Analyse, Paris 6 (invited).
10/2007: Séminaire de théorie des ensembles, Paris 7 (invited).
01/2007: *35 Winter School in Abstract Analysis*, Czech Republic (tutorial).
10/2006: Logic Colloquium, UCLA (invited).
10/2006: Logic Seminar, University of Illinois at Urbana-Champaign (invited).
09/2006: *Banach Space Theory: classical topics and new directions*,
ICM 2006, Satellite Conference, Caceres, Spain.
05/2006: Analysis Seminar, University of Athens (invited).
03/2006: *III Workshop in Functional Analysis*, Murcia, Spain.
01/2006: Séminaire d’Initiation à l’Analyse, Paris 6.
09/2005: *Third Young Researchers Meeting in Analysis*, Samos, Greece.
04/2005: Set Theory Seminar, University of Illinois at Urbana-Champaign.
04/2005: Caltech–UCLA Logic Seminar.
10/2004: *10th Panhellenic Conference on Mathematical Analysis*, NTUA.
09/2004: *V Conference in Banach spaces*, Caceres, Spain.
02/2004: *Ramsey Methods in Analysis*, CRM, Barcelona, Spain.

PUBLICATIONS

Monographs

Ramsey Theory for Product Spaces

with V. Kanellopoulos

Mathematical Surveys and Monographs, Vol. 212, American Math. Society, 2016.

Banach Spaces and Descriptive Set Theory: Selected Topics

Lecture Notes in Mathematics, Vol. 1993, Springer, 2010.

Surveys

Some recent results in Ramsey theory

in “Selected Topics in Combinatorial Analysis”, Zbornik Radova 17 (2015), 81–91.

Banach spaces and Ramsey theory: some open problems

with J. Lopez-Abad and S. Todorcevic

Rev. R. Acad. Cien. Serie A Matemáticas 104 (2010), 435–450.

Papers & Preprints

L_p regular sparse hypergraphs

with V. Kanellopoulos and Th. Karageorgos

preprint.

L_p regular sparse hypergraphs: box norms

with V. Kanellopoulos and Th. Karageorgos

preprint.

Szemerédi’s regularity lemma via martingales

with V. Kanellopoulos and Th. Karageorgos

The Electronic Journal of Combinatorics 23 (2016), Research Paper P3.11, 1–24.

A concentration inequality for product spaces

with V. Kanellopoulos and K. Tyros

Journal of Functional Analysis 270 (2016), 609–620.

A density version of the Carlson–Simpson theorem

with V. Kanellopoulos and K. Tyros

Journal of the European Mathematical Society 16 (2014), 2097–2164.

A simple proof of the density Hales–Jewett theorem

with V. Kanellopoulos and K. Tyros

International Mathematics Research Notices 12 (2014), 3340–3352.

Measurable events indexed by words

with V. Kanellopoulos and K. Tyros

Journal of Combinatorial Theory, Series A 127 (2014), 176–223.

Measurable events indexed by products of trees

with V. Kanellopoulos and K. Tyros

Combinatorica, 34 (2014), 427–470.

A density version of the Halpern–Läuchli theorem

with V. Kanellopoulos and N. Karagiannis

Advances in Mathematics 244 (2013), 955–978.

Dense subsets of products of finite trees

with V. Kanellopoulos and K. Tyros

International Mathematics Research Notices 4 (2013), 924–970.

Measurable events indexed by trees

with V. Kanellopoulos and K. Tyros

Combinatorics, Probability and Computing 21 (2012), 374–411.

Partition ideals below \aleph_ω

with J. Lopez-Abad and S. Todorcevic

Fundamenta Mathematicae 217 (2012), 21–34.

Operators whose dual has non-separable range

Journal of Functional Analysis 260 (2011), 1285–1303.

Unconditional basic sequences in spaces of large density

with J. Lopez-Abad and S. Todorcevic

Advances in Mathematics 226 (2011), 3297–3308.

On strictly singular operators between separable Banach spaces

with K. Beanland

Mathematika 56 (2010), 285–304.

Quotients of Banach spaces and surjectively universal spaces

Studia Mathematica 197 (2010), 171–194.

On antichains of spreading models of Banach spaces

Canadian Mathematical Bulletin 53 (2010), 64–76.

Definability under duality

Houston Journal of Mathematics 36 (2010), 781–792.

On classes of Banach spaces admitting “small” universal spaces

Transactions of the American Mathematical Society 361 (2009), 6407–6428.

The Steinhaus property and Haar-null sets

Bulletin of the London Mathematical Society 41 (2009), 377–384.

Classes of strictly singular operators and their products

with G. Androulakis, G. Sirotkin and V. G. Troitsky

Israel Journal of Mathematics 169 (2009), 221–250.

On pairs of definable orthogonal families

with V. Kanellopoulos

Illinois Journal of Mathematics 52 (2008), 181–201.

On unconditionally saturated Banach spaces

with J. Lopez-Abad

Studia Mathematica 188 (2008), 175–191.

On filling families of finite subsets of the Cantor set

with V. Kanellopoulos

Mathematical Proceedings of the Cambridge Phil. Society 145 (2008), 165–175.

Unconditional families in Banach spaces

with S. A. Argyros and V. Kanellopoulos

Mathematische Annalen 341 (2008), 15–38.

A strong boundedness result for separable Rosenthal compacta

Fundamenta Mathematicae 198 (2008), 177–189.

A classification of separable Rosenthal compacta and its applications

with S. A. Argyros and V. Kanellopoulos

Dissertationes Mathematicae 449 (2008), 1–52.

Some strongly bounded classes of Banach spaces

with V. Ferenczi

Fundamenta Mathematicae 193 (2007), 171–179.

Genericity and amalgamation of classes of Banach spaces

with S. A. Argyros

Advances in Mathematics 209 (2007), 666–748.

Codings of separable compact subsets of the first Baire class

Annals of Pure and Applied Logic 142 (2006), 425–441.

Tree structures associated to a family of functions

with S. A. Argyros and V. Kanellopoulos

Journal of Symbolic Logic 70 (2005), 681–695.

Dichotomies of the set of test measures of a Haar-null set

Israel Journal of Mathematics 144 (2004), 15–28.

On certain regularity properties of Haar-null sets

Fundamenta Mathematicae 181 (2004), 97–109.

Generalized gradients of monotone type

Nonlinear Analysis 56 (2004), 201–212.

Stable families of analytic sets

Colloquium Mathematicum 98 (2003), 277–281.

Ranks for Baire multifunctions

Colloquium Mathematicum 95 (2003), 63–77.

On continuity and selections of multifunctions

Bulletin of the Australian Mathematical Society 65 (2002), 407–422.