

# Efstratios Vernadakis' Curriculum Vitae

## Personal Information

Date and place of birth Chania, Greece, 5 March 1976  
Citizenship Greek  
Address Department of Mathematics,  
Faculty of Science,  
Fourka, 52100, Kastoria, Greece  
E-mail address aff01683@uowm.gr

## Education

2014 Ph.D. in Mathematics, University of Granada, Spain  
2008 M. Sc. in Mathematics, University of Crete, Greece  
2004 B. Sc. in Mathematics, University of Crete, Greece

## PhD Thesis

Isoperimetric inequalities in convex bodies, July 2014, University of Granada, Spain  
Thesis advisor: Manuel Ritoré

## Grants-Research Contracts

01/09/2008 - 31/08/2010 Greek State Scholarship  
01/09/2010 - 31/08/2011 Junta de Andalucía Predoctoral Grant  
01/09/2011 - 31/08/2012 Junta de Andalucía Predoctoral Research Contrat  
01/09/2012 - 31/08/2014 Junta de Andalucía Predoctoral Research Contrat  
15/12/2014 - 14/12/2015 Junta de Andalucía Postdoctoral Research Contract

## Jobs

- Member in Research Project, With Payment, University of Granada, 01/09 2011 – 31 12/2014 (Análisis Geométrico y Aplicaciones, ref. P09-FQM-5088, PI: Antonio Ros)
- Postdoctoral Researcher, University of Granada, 15/12/2014 - 14/12/2015
- Visiting Lecturer, University of Aegean, Karlovasi, 11/02/2019 - 14/06/2019
- Visiting Lecturer, University of Western Macedonia, Kozani, 14/03/2023 - 27/06/2019
- Visiting Lecturer, University of Western Macedonia, Kastoria, 24/10/2023 - 09/02/2024
- Visiting Assistant Professor, University of Western Macedonia, Kastoria, 26/02/2024 -

## Research Interests

Geometric Analysis, Variational Geometry, Geometric Measure Theory, Calculus of Variations, Differential Geometry, Convexity

## Publications

- Isoperimetric inequalities in unbounded convex bodies  
Gian Paolo Leonardi, Manuel Ritoré and Efstratios Vernadakis  
Memoirs Amer. Math. Soc., 2022, Volume 276, no. 276.  
arXiv:1606.03906v2

- Large isoperimetric regions in the product of a compact manifold with Euclidean space  
Manuel Ritoré, Efstratios Vernadakis., Adv. Math, Volume 306, 14 January 2017, Pages 958–972.  
arXiv:1312.1581
- Isoperimetric inequalities in conically bounded convex bodies  
Manuel Ritoré, Efstratios Vernadakis. J. Geom. Anal., 2016, Volume 26, Issue 1, pp 474–498.  
arXiv:1404.0370.
- Isoperimetric inequalities in convex cylinders and cylindrically bounded convex bodies  
Manuel Ritoré, Efstratios Vernadakis., Calc. Var. PDE 54, no. 1 (2015) 643-663.  
arXiv:1401.3542.
- Isoperimetric inequalities in Euclidean convex bodies  
Manuel Ritoré, Efstratios Vernadakis., Transactions Amer. Math. Soc. 367 (2015) 4983-5014.  
arXiv:1302.4588.

## Membership in Research Projects

- Análisis Geométrico y Aplicaciones,  
ref. P09-FQM-5088. PI: Antonio Ros,  
February 1, 2010 – August 31, 2014.
- Desigualdades Isoperimétricas en Espacios de Medida Métricos,  
ref. MTM2010- 21206-C02-01. PI: Manuel Ritoré,  
January 1, 2011 – August 31, 2014.

## Conferences

- Product Type Isoperimetric Regions In Products of Riemannian Manifolds,  
14th Panhellenic Conference in Geometry,  
Department of Mathematics, University of Aegean, Jun 1, 2019
- The isoperimetric profile of a bounded convex body,  
Departamento de Geometría y Topología, Facultad de Ciencias,  
Universidad de Granada, February 6, 2015
- The relative isoperimetric inequality in a convex body,  
Department of Physics, Informatics and Mathematics -  
University of Modena and Reggio Emilia, March 13, 2014
- The relative isoperimetric inequality in a convex body,  
Department of Mathematics of the Vienna University of Technology, March 27, 2014
- Isoperimetric inequalities in Euclidean convex bodies,  
Department of Mathematics, University of Athens, April 23, 2013
- El perfil isoperimétrico en el espacio de los cuerpos convexos euclédeos,  
Seminario de Geometría, Departamento de Geometría y Topología, Facultad de Ciencias,  
Universidad de Granada, Feb 15, 2013

## Workshops

- 2014 XXIII International Fall Workshop on Geometry and Physics, Granada 2014,  
Granada (Spain) September: 1-6
- 2013 School and Workshop on Geometric Measure Theory and Optimal Transport,  
Trieste (Italy), 15 July - 2 August
- 2012 Workshop on the Willmore Conjecture,  
Granada (Spain), May: 16–18

- 2012 Isoperimetric problems, space-filling, and soap bubble geometry, Edinburgh (Scotland), March: 19- 23
- 2011 VI International Meeting on Lorentzian Geometry, Granada (Spain), September: 6–9
- 2010 Advanced Course on Integral Geometry and Valuation Theory, Barcelona (Spain), September: 6 - 10
- 2010 International Conference on the Isoperimetric Problem and its Mathematical Ramifications, Carthage (Tunisia), May: 21-29
- 2009 Four Advanced Courses on Quasiconformal Mappings, PDE and Geometric Measure Theory, Barcelona (Spain), June: 3-12

## Research Stays

- Vienna (Austria), Vienna University of Technology, March 20-April 20, 2014
- Modena (Italy), University of Modena and Reggio Emilia, January 20-March 19, 2014

## Teaching

- Geometry of Space, University of Aegean, Department of Mathematics, 2019, Second Semester
- Mathematics II, University of Western Macedonia, Department of Mechanical Engineering, 2023, Second Semester
- Mathematics IV, University of Western Macedonia, Department of Mechanical Engineering, 2023, Second Semester
- Functional Analysis, University of Western Macedonia, Department of Mathematics, 2023, First Semester
- Classical Mechanics, University of Western Macedonia, Department of Mathematics, 2023, First Semester
- Measure Theory, University of Western Macedonia, Department of Mathematics, 2024, Second Semester
- Complex Analysis, University of Western Macedonia, Department of Mathematics, 2024, Second Semester
- Calculus of Variations, University of Western Macedonia, Department of Mathematics, 2024, Second Semester

## Spoken Languages

Greek	Native
English	Advanced
Spanish	Advanced
Italian	Basic