

## CURRICULUM VITAE

### 2011

Name	<b>Christos KOUROUNIOTIS</b>
Date of birth	1 August 1953
Place of birth	Athens
Nationality	Greek
Marital status	Married, with two daughters, 23 and 24 years
Languages	Greek, English, French
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### Education

July 1976: B.Sc. Mathematics, Imperial College of Science and Technology, University of London.

July 1984: Ph.D. Mathematics, King's College, University of London, under the supervision of L.H.Hodgkin and W.J.Harvey, *Deformations of Hyperbolic Structures on Manifolds of Several Dimensions*

### Employment

In 1984 - 85 I worked as Senior Research Assistant with G. P. Scott at the University of Liverpool.

In February 1986 I was appointed visiting lecturer at the Department of Mathematics of the University of Crete.

In January 1991 I was appointed Lecturer and in February 1995 Assistant Professor in the Department of Mathematics of the University of Crete. This position I hold up to the present.

### Teaching experience.

I have taught undergraduate courses in many areas of Mathematics, including the following:

Foundations of Mathematics	Mathematics for Biologists
Calculus I	Mathematics for Chemistry
Linear Algebra I	Analysis I
Linear Algebra II	Analysis II
Complex Analysis	Nonlinear Programming
Differential Geometry	Hyperbolic Geometry
Group Theory	Algebraic Topology
Euclidean Geometry	Geometric Topology

I have taught postgraduate courses in Algebraic Topology, Riemannian Geometry and Mathematics Education.

I have supervised 2 undergraduate and 7 postgraduate Diploma Theses, on Linear Algebra, the Geometry of Surfaces and on Mathematics Education.

I have supervised the Ph.D. Thesis of J.Platis, "*On the geometry of the space of quasi-Fuchsian deformations of a hyperbolic surface*".

### **Curriculum Development.**

I am a member of the Committee of Studies of the Department since 1990. Since 2001 I am the coordinator of the Committee, and since 2006 I am in charge of the Committee for the Undergraduate Program of the Department.

Since 1996 I am in charge of the projects in the framework of the Operational Programme for Education and Initial Vocational Training (O.P. Education), for the review of the Undergraduate Program of the Department of Mathematics of the University of Crete.

I attended the "TUNING Educational Structures in Europe" conferences on the development of University Curricula, Brussels, 21-22/4/2008 and 12-13/6/2008.

### **Administrative experience**

I have been a member of several Committees of the Department, and a member of the Senate of the University of Crete in 1991, 2003 and 2007.

From 1996 to 2000 I was in charge, within the framework of O.P. Education, of the interuniversity Project 'Mathematics for 2001: Reform of Mathematical Studies in Greece.'

From 2002 to 2008 I was in charge, within the framework of O.P. Education, of the Project 'Mathematics for Development: Reform of the Undergraduate Program of Studies of the Department of Mathematics of the University of Crete.'

I am in charge of Anogia Academic Village, the conference centre of the University of Crete, since its foundation in 1992.

### **Research Publications in refereed journals or collections of articles**

#### **a. Hyperbolic Geometry**

Deformations of Hyperbolic Manifolds. *Mathematical Proceedings of the Cambridge Philosophical Society*, 98, 1985, 247 - 261.  
MR0795891 (87g:32022)

Bending in the Space of Quasi-Fuchsian Structures. *Glasgow Mathematics Journal*, 33, 1991, 41 - 49.  
MR1089952 (92b:30052)

The Geometry of Bending Quasi-Fuchsian Groups, in *Discrete Groups and Geometry*, ed. W.J.Harvey with C.MacLachlan, London Mathematical Society Lecture Note Series, 173, Cambridge University Press, 1992, 148 - 164.  
MR1196924 (94b:30052)

Complex Length Coordinates for Quasi-Fuchsian Groups. *Mathematika*, 41, 1994, 173 - 188.

MR1288062 (96g:30079)

On the Continuity of Bending, in *The Epstein Birthday Schrift*. eds. I.Rivin, C.Rourke, C.Series. Geometry and Topology Monographs. 1998, 317 - 334.

MR1668300 (2000a:57041)

## **b. Mathematics Education**

D.Christoforou, C.Kourouniotis, I.Biza, E.Nardi: Εναλλακτική μορφή διδασκαλίας των συναρτήσεων στη Β' γυμνασίου με χρήση νέων τεχνολογιών (Using new technologies in the teaching of functions in the 2<sup>nd</sup> year of Junior High School (Year 8) in Greece). Proceedings of the 3<sup>rd</sup> Conference of the Greek Union of Researchers in Mathematics Education. 2009, 481 – 492.

## **Other publications**

*Deformations of Hyperbolic Structures on Manifolds of Several Dimensions*. Ph.D. Thesis. Department of Mathematics, King's College London. 1984.

Bending Punctured Tori. University of Crete Preprint, 1987.

Deformations of hyperbolic manifolds obtained by bending. *Proceedings of the Congress of Geometry (Thessaloniki, 1987)*, 99, *Aristotle Univ. Thessaloniki, Thessaloniki*, 1988. MR0942232

Hamiltonian Complex Length Functions. University of Crete Preprint, 1998.

Complex length functions of geodesic laminations. *Proceedings of the 3rd Panhellenic Congress of Geometry (Athens, 1997)*, 107 – 111, *Univ. Athens, Athens*, 1998. MR1731176

*Geometry of Riemann Surfaces*, edited by F.Gardiner, G.Gonzalez-Diez and C.Kourouniotis, LMS Lecture Note Series 368, Cambridge University Press, 2010.

## **Citations**

There are more than 65 citations in my research articles in international journals and books.

## **Conference presentations**

July 1984, Durham, England. LMS Conference. Kleinian groups, 3-manifolds and Hyperbolic Geometry.

May 1985, MSRI, Berkeley, California. Workshop on 4-dimensional Manifolds.

September 1985, Oberwolfach, Germany. Low dimensional Topology.

June 1987, Thessaloniki, Greece. Geometry Conference.

July 1989, Arcata, California. Joint Summer Research Conference. The Geometry of Riemann Surfaces and Discrete Groups.

January 1991, Birmingham, England. Discrete Groups and Geometry, in honour of A.M. Macbeath.

March 1991, ICTP, Trieste, Italy. Differential Geometry and Physics.

July 1991, Isle of Thorns, Sussex, England. Geometric Group Theory.

April 1993, Warwick, England. Symposium on Analytic and Geometric aspects of Hyperbolic Geometry.

September 1993, CIRM, Luminy, France. Computational Conformal Geometry.

May 1994, Ioannina, 1<sup>st</sup> Greek Geometry Congress.

July 1994, Helsinki, Finland. Computational Conformal Geometry.

May 1997, Warwick, England. Hyperbolic Geometry and Geometric Group Theory, in honour of D.B.A. Epstein.

May 1997, Αθήνα, 3<sup>rd</sup> Greek Geometry Congress.

March 1998, Marseille, France. Geometry and Dynamics.

April 1998, Warwick, England. Hyperbolic Geometry.

May 1999, Patras, 4<sup>th</sup> Greek Geometry Congress.

May 2001, Thessaloniki, 5<sup>th</sup> Greek Geometry Congress.

May 2003, Limassol, Cyprus, 6<sup>th</sup> Greek Geometry Congress..

### **Organisation of Conferences, Summer schools**

September 1995, Anogia, Crete, 2<sup>nd</sup> Greek Geometry Congress.

August 1996, Anogia Crete, Euroconferences in Mathematics on Crete: Geometric Group Theory.

October 1999, Iraklio, Crete, Meeting on the Teaching of Analysis.

May 2000, Anogia, Crete, Summer school: Mathematical Models in Natural Sciences and Technology.

July 2002, Hersonissos, Crete, 2<sup>nd</sup> International Conference on the Teaching of Mathematics (at the undergraduate level).

June 2007, Anogia, Crete, The Geometry of Riemann Surfaces.

June 2008, Anogia, Crete, Non positive curvature and the elementary theory of Free Groups.

May 2009, Anogia, Crete, 9<sup>th</sup> Greek Geometry Congress.