

Calin Iulian Martin

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Curriculum Vitae

Positions

Hedrick Assistant Professor	UCLA-Los Angeles	2008-2011.
Assistant	University of Potsdam, Germany	2004-2008.

Education

University of Potsdam, Potsdam, Germany

Ph.D., Mathematics, November 2006 (“summa cum laude”)
Ph.D. Advisor-Prof. B.-W. Schulze

Babes-Bolyai University, Cluj-Napoca, Romania

M.A., Mathematics, June 2002
B.A., Mathematics, June 2001

Research Interests

Mathematical theory of water waves on singular domains (in particular existence, uniqueness, regularity and asymptotics of solutions to the PDE’s of water waves)

Analysis of PDE’s on singular spaces

Regularity and asymptotics of solutions to elliptic equations

Hodge Theory for manifolds with corners

Papers and Preprints

- (1) **C.-I. Martin**. *The generalized dock problem*, **Applicable Analysis**, accepted for publication, arXiv:1005.3336v1.
<http://www.math.ucla.edu/~cmartin/publication.html>
- (2) **C.-I. Martin and B.-W. Schulze**. *Parameter dependent Edge Operators*. **Annals of Global Analysis and Geometry**, Vol. 38, 2, 171-190, 2010.
<http://www.math.ucla.edu/~cmartin/publication.html>

- (3) **C.-I. Martin.** *Corner operators and applications to elliptic complexes.* **Fields Institute Communications**, Vol. 52, 85-130, 2007.
<http://www.math.ucla.edu/~cmartin/publication.html>
- (4) **C.-I. Martin and B.-W. Schulze.** *The quantisation of edge symbols.* **Operator Theory: Advances and Applications**, Vol. 172, 1-31, Birkhaeuser Verlag, Basel 2006.
<http://www.math.ucla.edu/~cmartin/publication.html>
- (5) **D. Calvo, C.-I. Martin, and B.-W. Schulze.** *Symbolic structures on corner manifolds.* In: **RIMS Kokyuroku**, 1397, 22-35, 2004.
<http://www.math.ucla.edu/~cmartin/publication.html>
- (6) **C.-I. Martin.** *Operator Algebras and Complexes of Operators on Manifolds with Corners.* PhD. Thesis, Potsdam, 2006.
<http://www.math.ucla.edu/~cmartin/publication.html>

Conferences and Talks

Operator Algebras on Manifolds with Singularities, Potsdam, March 2003

Bimestre Intensivo on PDE, Torino, Italy, May 2003

C^* -Algebras and Elliptic Theory, Bedlewo, Poland, February 2004

German-Chinese Workshop on PDE, Weihai, China, March 2004

Degenerate PDE's and Singular Geometries, Potsdam, Germany, August 2004

German-Chinese Workshop on PDE, Clausthal-Zellerfeld, Germany, February 2006

Pseudodifferential Calculus with Singularities, and Applications to Quantum Chemistry, Potsdam, Germany, February 2006

ISAAC Workshop on Pseudo-Differential Operators: Partial Differential Equations and Time-Frequency Analysis, Fields Institute, Toronto, December 2006

Oberseminar Globale Analysis, Bonn, Germany, October 2007

Partial Differential Equations and Analysis on Singular Spaces, Bonn, Germany, February, 2008.

UCLA Analysis and PDE Seminar, Los Angeles, USA, November, 2008.

Topics in Spectral and Scattering Theory, Penn State University, USA, August 2010.

Organized Conferences

International Workshop/School **Partial Differential Equations and Analysis on Singular Spaces**

Jointly organized with **M. Lesch** (Bonn), **D. Grieser** (Oldenburg), **B.-W. Schulze** (Potsdam), **I. Witt** (Göttingen).

Hausdorff Center for Mathematics, Bonn, February 11 - 15, 2008.

Teaching Experience

UCLA, Instructor

Fall 2008, Math 131A-Real Analysis
 Winter 2009, Math 131B-Real Analysis
 Winter 2009, Math 32B-Calculus of several variables
 Spring 2009, Math 33A-Linear Algebra
 Fall 2009, Math 132-Complex Analysis
 Fall 2009, Math 31A-Differential and Integral Calculus
 Winter 2010, Math 131B-Real Analysis
 Winter 2010, Math 31B-Integration and Infinite Series

University of Potsdam, Assistant, Teaching Assistant

Analysis I/Analysis II, 2003/2004 and 2006/2007
 Analysis III (Lebesgue Integral), 2004/2005 and 2007/2008
 Introduction to Partial Differential Equations, Spring 2006
 Analysis on Manifolds with Singularities, Fall 2005
 Distribution theory, Spring 2007
 Ordinary Differential Equations, Fall 2007
 Vector Analysis, Spring 2008

Babes-Bolyai University, Teaching Fellow

Real Analysis, Fall 2001

Fellowships and Awards

DAAD (German Academic Exchange Office) Scholarship, University of Potsdam, 01.01.2002-12.31.2003

Merit Scholarship, Babes-Bolyai University, Cluj-Napoca, 1998-2001

Ranked first among mathematics major students, Babes-Bolyai University, Cluj-Napoca, 2001

Participation in the National Mathematics Olympiad (1995, 1996, 1997), Romania

3rd Prize (1996) and 1st Prize (1997) at Regional Mathematics Olympiad in Romania

Job offers

Postdoctoral fellowship at
Max Planck Institute for Mathematics in the Sciences, Leipzig, 2008-2009 (declined).

Professional Service

Referee for **Central European Journal of Mathematics**
Referee for **Operator Theory: Advances and Applications**
Reviewer for **Zentralblatt Math**

Languages

Romanian (mother tongue)
English
German

Recommendation letters

Prof. Gregory Eskin, UCLA
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