## Curriculum Vitae

## Betul Orcan-Ekmekci

	Rice University Department of Mathemat 6100 Main St, Houston, TX 77005	tics Voice: (512) 590 4452(Cell) E-mail: orcan@rice.edu Webpage: http://math.rice.edu/~bo2/	
Academic Positions		G.C. Evans Instructor Rice University, Houston, Texas USA	
	Spring 2011	Postdoctoral Fellow MSRI, Berkeley, California USA Free Boundary Problems, Theory and Applications	
	2005-2010	Teaching or Research Assistant University of Texas at Austin, Austin, Texas USA	
	<b>Fall 2008</b>	Assistant Instructor University of Texas at Austin, Austin, Texas USA	
	2003-2005	Teaching Assistant Bogazici (Bosphorus) University, Istanbul, TURKEY	
Education	Un	D. Mathematics <b>iversity of Texas at Austin</b> , visor: Prof. Luis Caffarelli	
	May 2005 M.S Bog	S., Mathematics gazici (Bosphorus) University visor: Prof. Alp O. Eden	
	<b>May 2003</b> B.S	S., Mathematics gazici (Bosphorus) University	
Grants	2012-2014	AMS-Simons Travel Grant	
Awards	Fall 2009Professional Development Award, UT-Austin2006David Bruton jr. Fellowship, UT-Austin2005Deans Excellence Fellowship, UT-Austin		
$Research \ Interests$	Partial Differential Equations, Free Boundary Problems and Applications, Homogenization Problems in Periodic and Stationary Ergodic Cases, Geometric Variational Problems in Random Media		
Papers & Preprints	<ol> <li>B. Orcan-Ekmekci, On the Largest Subsolution for a Free Boundary Problem in R<sup>2</sup>: Elliptic Case, Calculus of Variations and Partial Differential Equations (2013), 1-26.</li> </ol>		
	2. B. Orcan-Ekmekci, Homogenization results for a Free Boundary problem with Stationary Er- godic Free Boundary in $\mathbb{R}^2$ : In the Form of Layers, <i>Submitted</i>		
	3. B. Orcan-Ekmekci, Homogenization results for a Free Boundary problem with Stationary Er- godic Free Boundary in <b>R</b> <sup>2</sup> : Elliptic Case, <i>Preprint</i>		
	4. R. Hardt, and B. Orcan-Ekmekci, On the highly oscillatory Plateau problem, Preprint		
	5. B. Orcan-Ekmekci with Obstacle, <i>Prep</i>	, Optimal Regularity Results for Parabolic Integro-Differential Equation $\ensuremath{\textit{orint}}$	

Electronic versions of my papers are available at http://math.rice.edu/~bo2/

Conference Talks	December 7, 20132013 SIAM PDE, Lake Buena Vista, FLJanuary 12, 20132013 AMS and MAA Joint Mathematics Meetings, San Diego, CAMay 11, 2012Young Women in PDE, Bonn, GermanyApril 30, 2011AMS Spring Western Section Meeting, Las Vegas, NVApril 10, 201033 <sup>rd</sup> Annual Texas PDE Conference, Austin, TXJanuary 15, 20102010 AMS and MAA Joint Mathematics Meetings, San Francisco, CAApril 29, 2008Symposia on Analysis of Geometric Evolution, Austin, TX	A	
Seminar Talks	Fall 2012Geometry-Analysis Seminar- Rice UniversitySpring 2012Analysis Seminar-UT-AustinFall 2011PDE Seminar- University of HoustonFall 2011Geometry-Analysis Seminar- Rice UniversitySpring 2011PDE Seminar- University of California-BerkeleyFall 2007Continuum Mechanics Seminar Austin, TX		
Professional Activities	Dec 2013Co-organizer of a mini-lecture series at SIAM PDE 2013Nov 2012Panelist in careers in the Mathematical Sciences at Rice AWM eFall 2012Co-organizer of Minimal Surfaces SeminarFall 2012Co-organizer of Current Mathematics SeminarFall 2011-Spring 2012Co-organizer of Graduate Teaching SeminarSpring 2012Co-organizer of Stochastic Differential Equations SeminarFall 2011Co-organizer of Multi-valued Functions Seminar	vent	
Teaching Experience	Rice University-InstructorGraduate Level Courses:Spring 2014Math 517- Complex AnalysisFall 2013Math 515- Integration TheoryFall 2012Math 423- Partial Differential EquationsUpper Level Courses:		
	Spring 2012Math 382 - Complex AnalysisCower Level Courses: Spring 2013, Fall 2013Math 211-Ordinary Differential equations Fall 2012, Fall 2011Fall 2012, Fall 2011Math 111- Fundamental Theorem of Calculus Math 102 - Single Variable Calculus IIJT-Austin-Assistant Instructor Fall 2008Math 305- Elementary Functions and Coordinate Geometry		
	<b>UT-Austin</b> -Teaching Assistant <i>Graduate Level Courses:</i> Methods of Applied Mathematics Stochastic Processes and Applications Real Analysis(2 semesters)		
	Upper Level Courses:Applied Linear AlgebraScientific Computation in Numerical AnalysisAdvanced Calculus for ApplicationsMethods of Applied Mathematics		
	Lower Level Courses: Differential and Integral Calculus		
	<b>30gazici University</b> -Teaching Assistant <b>2003-2005</b> Ordinary Differential Equations, Real Analysis I, and Real Analysis II		