

Minjae Lee

CONTACT INFORMATION	1075 Evans Hall Department of Mathematics University of California, Berkeley CA 94720, USA	lee.minjae@math.berkeley.edu math.berkeley.edu/~lmj0425
RESEARCH INTERESTS	Spectral Theory, Applied Mathematics, Partial Differential Equations.	
EDUCATION	<i>Ph.D. Candidate</i> , Mathematics Aug.2008 – May 2010; Aug.2012 – May 2016(expected) University of California, Berkeley , CA, USA <ul style="list-style-type: none">• Advisor: Maciej Zworski (Mandatory military service, Jun.2010 – Mar.2012) <i>B.S.</i> , Mathematical Sciences, Mar.2006 – Aug.2008 Korea Advanced Institute of Science and Technology , Daejeon, South Korea <ul style="list-style-type: none">• <i>Summa Cum Laude</i>• Undergraduate Thesis on <i>Higher Order Approximations in Heat Equation</i>• Advisor: Yong Jung Kim	
PUBLICATIONS	<i>A Fermi Golden Rule for Quantum Graphs</i> , J. Math. Phys., 57 , 092101 (2016) <i>Dirac cones for point scatterers on a honeycomb lattice</i> , SIAM J. Math. Anal., 48 (2), 1459–1488 (2016) <i>Eigenvalues of Šeba billiards with localization of low-energy eigenfunctions</i> , J. Phys. A: Math. Theor. 49 , 085204 (2016) <i>Localization of low-energy eigenfunctions in Šeba billiards</i> , Phys. Rev. E 90 , 062904 (2014)	
TALKS	<i>Interlacing Eigenvalues of Quantum Graphs</i> , <ul style="list-style-type: none">• HADES Seminar, UC Berkeley, Sep.2015 <i>Point Scatterers on a periodic structure</i> , <ul style="list-style-type: none">• HADES Seminar, UC Berkeley, Mar.2014• PDE Seminar, KAIST (Korea), Jun.2014 <i>Spectral properties of 2D-Schrödinger equation with Honeycomb Lattice Potential</i> , <ul style="list-style-type: none">• Harmonic Analysis and PDE Seminar (HADES Seminar), UC Berkeley, Oct.2012	
TEACHING EXPERIENCE	<i>Graduate Student Instructor</i> , UC Berkeley <ul style="list-style-type: none">• Linear Algebra and Differential Equations, Spring 2013• Calculus I, Fall 2013• Linear Algebra and Differential Equations, Fall 2014• Linear Algebra and Differential Equations, Spring 2015• Multivariable Calculus, Fall 2015	

HONORS AND
AWARDS

KIAS Fellowship for ICM 2014, Aug.2014

- Korea Institute for Advanced Study

Graduate Division Summer Grant, Jun.2013

- Graduate Division, UC Berkeley

Samsung Scholarship, Sep.2008– May 2010; Sep. 2012 –May 2015

- Samsung Scholarship

Presidential Scholarship, Mar.2006–Aug.2008

- Korea Student Aid Foundation

Scholarship for the Best Freshmen, Mar.2006

- KAIST

ATTENDED
CONFERENCES /
PROGRAMS

Séminaire de Mathématiques Supérieures 2015, Montreal, Canada

- Geometric and Computational Spectral Theory

International Conference of Mathematics 2014, Seoul, Korea

PROGRAMMING
SKILLS

Matlab, Python, R, SQL, Maple, C++

PREVIOUS
PUBLICATION

Jinhee Jung, Jeongyong Kim, J.Y. Jeong, M.J. Lee, N.K. Yim, J.H. Han, D.G. Lee, A.L. Yoo, J.G. Choi, Yungdoug Suh, (2005) *Manipulation of Au nano-particles by using an atomic force microscope*, New Physics: Sae Mulli; 50: 318–322.

PERSONAL
INFORMATION

Born in 1987 in Busan, South Korea. South Korean citizenship.