

## Eren Mehmet Kiral

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RESEARCH INTERESTS	Automorphic forms and representations, $L$ -functions, metaplectic forms, analytic number theory.	
EDUCATION	<b>Brown University</b> , Providence, RI Ph.D. in Mathematics, May 2014 <b>Advisor</b> Jeffrey Hoffstein Thesis Title: <i>Spectral Theory and Shifted Convolution Sums in Analytic Number Theory</i> M.S. in Mathematics, May 2012  <b>Boğaziçi University</b> , İstanbul, Turkey. B.Sc. in Mathematics, June 2008 Graduated with GPA 3.93/4.00	
POSITIONS HELD	<b>Postdoc</b> <i>MSRI Semester Program: Analytic Number Theory</i> , Mathematical Sciences Research Institute, Berkeley CA. (Spring 2017). Postdoc Mentor: Dinakar Ramakrishnan <b>Visiting Assistant Professor</b> <i>Texas A&amp;M University</i> (Fall 2014- Fall 2016) Postdoc Mentor: Matthew Young <b>Teaching Fellow</b> Brown University. <b>Graduate Member</b> <i>Automorphic Forms, Combinatorial Representation Theory and Multiple Dirichlet series</i> , semester program in ICERM, Providence, RI (Spring 2013)	
HONORS AND AWARDS	2016    AMS-Simons Travel Grant 2009    Graduate Fellowship, Brown University 2009    Dora Aksoy Award  2008    Scholarship, Vehbi Koç Foundation  2008    First rank in the Faculty of Arts and Sciences 2008    The Rectorate Special Award, Boğaziçi University	An award for scientific travel  Given in recognition of excellence in undergraduate mathematics Given in recognition of excellence in undergraduate mathematics  Given to one person from the outgoing year for academic success and outstanding public work.
PUBLICATIONS AND PREPRINTS	<ol style="list-style-type: none"><li>1. “The fifth moment of modular <math>L</math>-functions.” joint with Matthew Young. <a href="https://arxiv.org/abs/1701.07507">arxiv:1701.07507</a></li><li>2. “The Voronoi formula and double Dirichlet series”, joint with F. Zhou. <i>to appear in Algebra &amp; Number Theory</i> (2016)</li><li>3. “Opposite sign Kloosterman sum Zeta function”, <i>Mathematika</i> 62, issue 02, (2016): 406-429.</li><li>4. “Bounds on sup-norms of half integral weight modular forms”, <i>Acta Arithmetica</i> 165 No. 4 (2014): 385-400.</li><li>5. “Counting square discriminants”, joint with T. Hulse, C. I. Kuan, L. M. Lim. <i>Journal of Number Theory</i> 162, (2016): 255-274.</li><li>6. “Subconvexity for half-integral weight <math>L</math>-functions”, <i>Mathematische Zeitschrift</i> Vol 281, Issue 3 (2015): 689-722.</li></ol>	

	<p>7. “The sign of Fourier coefficients of half integral weight cusp forms”, joint with T. Hulse, C. I. Kuan, L. M. Lim  <i>International Journal of Number Theory</i> 8, no. 03 (2012): 749-762.</p>																
POSTER	<p>“Subconvexity Bounds for <math>L</math>-functions of Half Integer Weight Modular Forms” at the <i>Combinatorics Multiple Dirichlet Series and Analytic Number Theory</i> workshop in Institute for Computational and Experimental Research in Mathematics (ICERM), April 2013.</p>																
SELECTED CONFERENCES AND WORKSHOPS ATTENDED	<ul style="list-style-type: none"> <li>- <i>BIRS Workshop 13w5154 Whittaker Functions: Number theory, Geometry and Physics</i>, Banff International Research Station. Banff, Alberta, Canada. (October 2013)</li> <li>- <i>International Colloquium on Automorphic forms and Representations</i>, Tata Institute for Fundamental Research. Mumbai, India (January 2012)</li> <li>- <i>2011 Arizona Winter School</i>, Arizona State University. Tuscon, AZ. (March 2011)</li> </ul>																
INVITED TALKS	<ul style="list-style-type: none"> <li>- <i>Claremont McKenna College Colloquium</i> Claremont, CA. (April 2017)</li> <li>- <i>Texas A&amp;M Number Theory Seminar</i> College Station, TX. (November 2016)</li> <li>- <i>Connecticut Summer School in Number Theory</i> Storrs, CT. (August 2016)</li> <li>- <i>Louisiana State University Algebra and Number Theory Seminar</i>, Baton Rouge, LA (February 2016).</li> <li>- <i>Rutgers University Number Theory Seminar</i>, New Brunswick, NJ. (December 2015).</li> <li>- <i>SUNY at Buffalo Analysis Seminar</i>, Buffalo, NY. (October 2015).</li> <li>- <i>Texas A&amp;M University Number Theory Seminar</i>, College Station, TX. (September 2015).</li> <li>- <i>Texas A&amp;M University Number Theory Seminar</i>, College Station, TX. (October 2014).</li> <li>- <i>Texas A&amp;M University Number Theory Seminar</i>, College Station, TX. (April 2014).</li> <li>- <i>Boğaziçi University Colloquium</i>, İstanbul, Turkey. (January 2014).</li> <li>- <i>University of Colorado Number Theory Seminar</i>, Boulder, CO. (November 2013).</li> <li>- <i>Five College Number Theory Seminar</i>, Amherst, MA. (September 2013).</li> <li>- <i>21<sup>st</sup> National Mathematics Symposium</i>, Koç University, Turkey. (September 2008).</li> </ul>																
SERVICES	<ul style="list-style-type: none"> <li>- Co-organizing the Number Theory seminar in Texas A&amp;M University, since 2015.</li> <li>- Co-organized a graduate student conference at Brown funded by the AMS student chapter. (May 2013)</li> <li>- Editor for “Matematik Dünyası” (World of Mathematics), a Turkish popular mathematics magazine, since 2005.</li> </ul>																
TEACHING EXPERIENCE	<p><b>Texas A&amp;M University</b>, College Station, TX</p> <table> <tr> <td>Communications and Cryptography</td> <td>Fall 2016</td> </tr> <tr> <td>Linear Algebra</td> <td>Spring 2016</td> </tr> <tr> <td>Discrete Mathematics</td> <td>Fall 2015</td> </tr> <tr> <td>Linear Algebra</td> <td>Spring 2015</td> </tr> <tr> <td>Calculus I</td> <td>Fall 2014</td> </tr> </table> <p><b>Brown University</b>, Providence, RI  <i>as Teaching Fellow</i> (instructor for the course)</p> <table> <tr> <td>Calculus II</td> <td>Fall 2013</td> </tr> <tr> <td>Multivariable Calculus</td> <td>Spring 2012, Fall 2012</td> </tr> </table> <p><i>as Teaching Assistant</i></p> <table> <tr> <td>Calculus I</td> <td>Spring 2011, Fall 2011</td> </tr> </table> <p><b>Mathematics Village</b>, Şirince, Selçuk, İzmir, Turkey  <i>A non-profit initiative that promotes interest and provides training to bright high-school, undergraduate and graduate students</i></p>	Communications and Cryptography	Fall 2016	Linear Algebra	Spring 2016	Discrete Mathematics	Fall 2015	Linear Algebra	Spring 2015	Calculus I	Fall 2014	Calculus II	Fall 2013	Multivariable Calculus	Spring 2012, Fall 2012	Calculus I	Spring 2011, Fall 2011
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Calculus I	Spring 2011, Fall 2011																

designed and taught courses for all levels:

Lie Algebras	Summer 2014
Coding for high school students (python)	Summer 2014
Classical Automorphic Forms	Summer 2011
Number Theory for high school students	Summer 2011
Dedekind Rings	Summer 2010
Multivariable Calculus	Summer 2010
Hilbert Spaces	Summer 2009
Multivariable Calculus	Summer 2008
Geometric Algebra	Summer 2008
Complex Analysis	Summer 2007

**Boğaziçi University** Istanbul, Turkey  
*as Teaching Assistant*  
 Real Analysis Spring 2010, Fall 2009

LANGUAGES Turkish (native), English (fluent), German (beginner).

REFERENCES **Jeffrey Hoffstein**, Professor at Brown University,  
 jhoff@math.brown.edu  
 Mathematics Department  
 Box 1917  
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**Matthew Young**, Associate Professor at Texas A&M University,  
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**Dorian Goldfeld**, Professor at Columbia University,  
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**Stephen D. Miller**, Professor at Rutgers University.  
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**Brian Conrey**, Executive Director of American Institute of Mathematics (AIM),  
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**Philippe Michel** Chair of Analytic Number Theory at École polytechnique fédérale  
de Lausanne (EPFL)  
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**Dinakar Ramakrishnan** Professor at Caltech  
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Mathematics 253-37  
Caltech, Pasadena, CA 91125

**Paulo Lima-Filho** (concerns teaching), Professor and Associate Head for Operations  
and Undergraduate Programs at Texas A&M University,  
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**Ali Nesin**, Professor at Bilgi University,  
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