

Luca Candelori

CONTACT INFORMATION	Department of Mathematics Wayne State University Detroit, MI, USA 48202	candelori@wayne.edu https://s.wayne.edu/candelori
RESEARCH INTERESTS	Algebraic geometry and number theory; modular forms, modular curves, orbifold Riemann surfaces, Jacobian varieties, modular forms of half-integral weight, harmonic Maass forms and mock modular forms, p -adic modular forms, vector-valued modular forms.	
CURRENT EMPLOYMENT	Wayne State University Dept. Mathematics, Assistant Professor, 8/2018 -	
PAST EMPLOYMENT	University of Hawaii Dept. Mathematics, Temporary Assistant Professor, 8/2017 - 7/2018 Louisiana State University Dept. Mathematics, Postdoctoral Researcher, 8/2014 - 5/2017	
EDUCATION	McGill University Ph.D. (2014), M.Sc. (2010) in Mathematics (adviser: Henri Darmon) Harvard University A.B. (2008) in Mathematics with High Honors	
RESEARCH PUBLICATIONS	2018 (est.). L. Candelori, C. Marks <i>Jacobians with complex multiplication from finite-index subgroups of the modular group</i> , in preparation. 2018 (est.). L. Candelori <i>Fields of definition of harmonic Maass forms with CM shadow</i> , in preparation. 2017. L. Candelori, <i>The Chevalley-Weil formula for orbifold curves</i> , SIGMA 14 (2018), 071. 2017. L. Candelori, C. Franc, <i>Vector bundles and modular forms for fuchsian groups of genus zero</i> , submitted, arXiv: 1707.01693 [math.AG.NT]. 2017. L. Candelori, T. Hartland, C. Marks, D. Yepes <i>Indecomposable vector-valued modular forms and periods of modular curves</i> , Research in Number Theory, Vol. 4, No. 2 (2018) 2016. L. Candelori, <i>The transformation laws of algebraic theta functions</i> , preprint, arXiv: 1609.04486 [math.AG.NT]. 2016. L. Candelori, C. Franc, G. Kopp <i>Generating weights for the Weil representation attached to an even order cyclic quadratic module</i> , J. Number Theory, 180, pp. 474-497. 2016. L. Candelori, F. Castella <i>A geometric perspective on p-adic properties of mock modular forms</i> , Research in the Mathematical Sciences, 4:5, 2017. 2015. L. Candelori, <i>The algebraic functional equation of Riemann's theta function</i> , submitted, arXiv:1512.04415 [math.AG.NT]. 2015. L. Candelori, C. Franc, <i>Vector valued modular forms and the modular orbifold of elliptic curves</i> , Int. J. Number Theory vol. 13(1).	

2014. L. Candelori, *Harmonic weak Maass forms: a geometric approach*, Math. Ann. vol. 360 (1-2), pp. 489-517.

SELECTED
TALKS

Colloquium, Wayne State University, Detroit, MI 1/2018
Colloquium, Wake Forest University, NC 2/2017
Colloquium, Concordia University, Montreal, Canada, 1/2017
Montreal-Toronto Number Theory Workshop, Montreal, Canada, 12/2016
BC/MIT Number Theory Seminar, MIT, Cambridge, MA, 11/2016
Emory University Number Theory Seminar, Atlanta, GA 11/2016
Conference in honor of Geoff Mason, UC Santa Cruz, CA, 10/2016
Quebec-Vermont Number Theory Seminar, Montreal, Canada, 10/2016
BIRS Workshop in Modular Forms and String Theory, Banff, AB, Canada, 9/2016
Connecticut Summer School in Number Theory, U. Connecticut, 8/2016
30th Automorphic Forms Workshop, Wake Forest University, 3/2016
Algebra and Number Theory Seminar, Texas A&M, College Station, TX, 11/2015
Special session on Automorphic Forms, Joint AMS-MAA Meeting, 1/2015
LSU Algebra and Number Theory Seminar, Baton Rouge, LA, 10/2014
Princeton-IAS Number Theory Seminar, IAS, Princeton, NJ, 10/ 2014
CNTA XIII, Ottawa, Canada, 6/2014
Canadian Mathematical Society Winter 2012 meeting, Montreal, Canada, 10/2012
First Upstate Number Theory Conference, Cornell University, 4/2011
Graduate Student Plenary Speaker, PANTS XV , Clemson University, 2/2011
Number Theory Seminar, University of Wisconsin, Madison, WI, 3/2010
AIM Workshop on Mock Modular Forms, Palo Alto, CA, 3/2010

SERVICE

Referee for *Memoirs of the American Mathematical Society*, *Research in the Mathematical Sciences*, *International Journal of Number Theory*, *Journal of the London Mathematical Society*, *The Ramanujan Journal*, *Journal of Geometry and Physics*.
Organizer of the Number Theory Seminar, UH Manoa, 2017-18.
Co-organizer of the Southern Regional Number Theory Conference, LSU, 4/2017.
Organizer of the Algebra & Number Theory Seminar, LSU, 2016-17.
Co-organizer of the Workshop on Algebraic Varieties, Hypergeometric Series, and Modular Forms, LSU, Baton Rouge, LA, 4/2015.
Mentor for exchange program with Chiba University, Japan, UH Manoa, 9/2017.

SUCCESSFUL PROPOSALS	2015	<i>Conference Grant for LSU Workshop</i> (US\$ 2,000)	
		Number Theory Foundation	
	2014	<i>Pelletier Prize</i> (C\$ 5,000)	
		Department of Mathematics and Statistics, McGill University	
	2013-2014	<i>Schulich Fellowship</i> (C\$ 25,000)	
	Department of Mathematics and Statistics, McGill University		
2011-2012	<i>Schulich Fellowship</i> (C\$ 25,000)		
	Department of Mathematics and Statistics, McGill University		
2009-2011	<i>ISM Graduate Scholarship</i> (C\$ 8,000)		
	Institut des Sciences Mathématiques, Montreal		
TEACHING EXPERIENCE	Wayne State	Fall 2018	Linear Algebra
	Wayne State	Fall 2018	Calculus 2
	UH Manoa	Spring 2018	Calculus 2
	UH Manoa	Fall 2017	Introduction to Advanced Mathematics
	UH Manoa	Fall 2017	Calculus 1
	LSU	Spring 2017	Analytic Geometry and Calculus 1
	LSU	Spring 2016	Differential Equations and Linear Algebra
	LSU	Fall 2015	Modular Forms (graduate course)
	LSU	Spring 2015	Abstract Algebra 2
	LSU	Fall 2014	Wavelets
	McGill	Summer 2014	Calculus 2
	McGill	Winter 2013	Linear Algebra and Geometry
	McGill	Summer 2011	Calculus 2
LANGUAGES	English, Italian.		