

Luca Candelori

CONTACT INFORMATION	Department of Mathematics University of Hawaii at Manoa Honolulu, HI, USA 96822	candelori@math.hawaii.edu http://www.math.hawaii.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 and vertex operator algebras.	
EMPLOYMENT	University of Hawaii Dept. Mathematics, Temporary Assistant Professor, 8/2017 - 8/2020 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. 2017. L. Candelori, <i>The Chevalley-Weil formula for orbifold curves</i> , preprint, arXiv: 1712.02437 [math.AG.NT]. 2017. L. Candelori, C. Franc, <i>Indecomposable vector bundles and vector valued modular forms for genus zero subgroups</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> , submitted, arXiv: 1704.01684 [math.NT]. 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, <i>Harmonic weak Maass forms: a geometric approach</i> , Math. Ann. vol. 360 (1-2), pp. 489-517.	
SELECTED TALKS	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.

PENDING
 PROPOSALS
 SUCCESSFUL
 PROPOSALS

NSF DMS-1801984 *Modular forms and Jacobians with complex multiplication*
 2015 *Conference Grant for LSU Workshop* (US\$ 2,000)
 Number Theory Foundation
 2014 *Pelletier Prize* (C\$ 5,000)
 Department of Mathematics and Statistics, McGill University
 2013-2014 *Schulich Fellowship* (C\$ 25,000)
 Department of Mathematics and Statistics, McGill University
 2011-2012 *Schulich Fellowship* (C\$ 25,000)
 Department of Mathematics and Statistics, McGill University
 2009-2011 *ISM Graduate Scholarship* (C\$ 8,000)
 Institut des Sciences Mathématiques, Montreal

TEACHING EXPERIENCE	UH Manoa	Fall 2017	Instructor, Introduction to Advanced Mathematics
	UH Manoa	Fall 2017	Instructor, Calculus 1
	LSU	Spring 2017	Instructor, Analytic Geometry and Calculus 1
	LSU	Spring 2016	Instructor, Differential Equations and Linear Algebra
	LSU	Fall 2015	Instructor, Modular Forms (graduate course)
	LSU	Spring 2015	Instructor, Abstract Algebra 2
	LSU	Fall 2014	Instructor, Wavelets
	McGill	Summer 2014	Instructor, Calculus 2
	McGill	Winter 2013	Instructor, Linear Algebra and Geometry
	McGill	Summer 2011	Instructor, Calculus 2
	McGill	Fall 2010	Teaching Assistant, Calculus 1
	McGill	Winter 2010	Teaching Assistant, Calculus 2
	McGill	Fall 2009	Teaching Assistant, Calculus 1
	McGill	Winter 2009	Teaching Assistant, Calculus 2
	McGill	Fall 2008	Teaching Assistant, Multivariable Calculus
	Harvard	Spring 2008	Course Assistant, Number Fields
Harvard	Fall 2007	Course Assistant, Linear Algebra	
LANGUAGES	English, Italian.		