

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, mathematical physics, number theory, automorphic forms, modular forms of half-integral weight, harmonic Maass forms and mock modular forms, p -adic modular form, vector-valued modular forms and vertex operator algebras.	
EMPLOYMENT	University of Hawaii Dept. Mathematics, Assistant Professor (Rank I3-M09), 8/2017 - 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	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>Vector valued modular forms for indecomposable representations and periods of modular curves</i> , submitted, arXiv: 1704.01684 [math.NT] 2017. 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> , accepted, J. Number Theor., 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. 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), 2017. L. Candelori, <i>Harmonic weak Maass forms: a geometric approach</i> , Math. Ann. vol. 360 (1-2), pp. 489-517, 2014.	
SELECTED TALKS	Colloquium, Wake Forest University, 2/2017 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 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
 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 *Research in the Mathematical Sciences*, *International Journal of Number Theory*, *Journal of the London Mathematical Society*, *The Ramanujan Journal*, *Journal of Geometry and Physics*.

Co-organizer of the Southern Regional Number Theory Conference, LSU, Baton Rouge, LA, 4/2017.

Organizer of the Algebra & Number Theory Seminar, LSU, 2016-present

Co-organizer of the Workshop on Algebraic Varieties, Hypergeometric Series, and Modular Forms, LSU, Baton Rouge, LA, 4/2015

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

LSU	Spring 2016	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 II
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.