Alice Pozzi

McGill University
845 Sherbrooke Street West
Montreal, QC H3A 0G4

alice.pozzi@mail.mcgill.ca

EDUCATION	**McGill University, Montreal, CA** *Doctor of Philosophy*, Mathematics, expected completion April 2018 Thesis *"On the eigencurve at irregular weight one points"*, under the supervision of Henri Darmon and Payman Kassaei **Université Paris-Sud 11, Orsay, FR** *Master of Science* (Master 2 en Mathématiques Fondamentales et Appliquées, specialité Analyse, Arithmétiques et Géométrie), 2013 Thesis *"A modular approach to the Kuga-Satake construction"*, under the supervision of BenoIt Stroh **Concordia University Montreal, CA** *Master of Science*, Mathematics, 2013 **Universitá degli studi di Padova, Padova, IT** *Bachelor of Science* (Laurea Triennale in Mathematica), 2011
AWARDS AND DISTINCTIONS	**Schulich Fellowship** McGill University, 2014 **ALGANT** (Algebra, Geometry and Number Theory) Master scholarship, 2011- 2013 **INDAM** Istituto Nazionale di Alta Matematica (National Institute of Advanced Mathematics) scholarship for undergraduates, 2008-2011
RESEARCH INTERESTS	Modular forms, Shimura varieties, Galois representations, p-adic L-functions, deformation rings, eigenvarieties, perfectoid spaces, Iwasawa theory
PUBLICATIONS	"On the eigencurve at weight one Eisenstein points" with Adel Betina and Mladen Dimitrov, in preparation
TALKS	**Quebec-Vermont Number Theory Seminar** "The eigencurve at weight one Eisenstein points" April 2018 **Montreal-Toronto Worshop in Number Theory** "Parabolic Subgroups" January 2018 **Université Laval** "The eigencurve at weight one Eisenstein points" October 2017 **Universitat Politécnica de Catalunya, Barcelona** "The eigencurve at weight one Eisenstein points" June 2017 **McGill University, Montreal** at the Number Theory Graduate Seminar: • " An overview of the proof of the Sato-Tate Conjecture" • "On freeness of the Hecke Algebra over a certain group ring in the proof of Fermat's Last Theorem (after de Shalit)" • "Proof of the Iwasawa Main Conjecture" • "The tower of modular curves as a perfectoid space (after P. Scholze)" • "Perfectoid fields" • "Adic Spaces" • "Stratification of Hilbert Modular Varieties"

- "Analytic continuation for Up-eigenforms (after K. Buzzard and R.Taylor)"

CONFERENCE AND WORSHOPS

Montreal-Toronto Workshop in Number Theory: Unitary Shimura Varieties, Université de Montréal, 2018

L-functions and Arithmetic (Rubinfest) Harvard, 2016

p-adic methods in the theory of classical automorphic forms
Université de Montréal, 2015

The Kudla program, Université de Montréal, 2015

p-adic variation in Number Theory, Boston University, 2014

Montreal-Toronto Workshop in Number Theory: Harmonic Maass forms, Université de Montréal, 2016

Montreal-Toronto Workshop in Number Theory: The Kudla program, Université de Montréal, 2015

Montreal-Toronto Workshop in Number Theory, Fields Institute, 2013

TEACHING

Algebra 1 Teaching assistant, McGill University, Fall 2017, Fall 2016, Fall 2015, Fall 2014

Calculus 2 Teaching assistant, McGill University, Winter 2014