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- PERSONAL INFORMATION      Citizenship: chilean. Marital status: married. Born on December 2nd 1979.
- CURRENT POSITION      Postdoc. Chaire *Théorie analytique des nombres* at the École polytechnique fédérale de Lausanne.
- CONTACT INFORMATION      EPFL/SB/IMB/TAN, Station 8  
 CH - 1015 LAUSANNE  
 phone: +(41)(21)6935473  
 email: ricardo.menares@epfl.ch
- HIGHER EDUCATION
- *Ph.D.* obtained in Sept 2008  
 Groupes de Chow arithmétiques et opérateurs de Hecke sur les courbes modulaires  $X_0(N)$  (Arithmetic Chow groups and Hecke Operators on the modular curves  $X_0(N)$ ), under the direction of Emmanuel ULLMO, at Université Paris Sud 11.
  - Master degree (*Diplôme d'études approfondies*) Sept 2003-Sept 2004  
 D.E.A. "Méthodes algébriques" at Université Paris VI (Pierre et Marie Curie). "Junior thesis" under the direction of Emmanuel ULLMO, "*Generalized Arithmetic Intersection Numbers, as Defined by U. Kuhn*".
  - *Engineering degree in Applied Mathematics* 2003  
 University of Chile. "Engineering thesis" under the direction of Eduardo FRIEDMAN "*A generalization of Poisson summation formula for relative extensions of number fields*".
  - *Bachelor in engineering, Applied Mathematics* 2001  
 University of Chile.
- RESEARCH INTERESTS      Arakelov Theory, Automorphic Forms, Equidistribution in Arithmetic.
- MATHEMATICAL WORKS      Groupes de Chow arithmétiques et opérateurs de Hecke (Arithmetic Chow groups and Hecke Operators). Ph. D. thesis.
- Correspondences in  $L_1^2$  Arakelov theory and applications to the case of Hecke operators on modular curves. Submitted. arXiv:0911.0546
- FORMER POSITIONS      Attaché temporaire d'enseignement et de recherche (one-year fellowship for finishing a PhD, with teaching duties) at the Université Paris Sud 11 from September 2007 to August 2008.
- Allocataire-moniteur at the Université Paris Sud 11 and Université Paris 13 (Fellowship for a PhD, with teaching duties, for a period of three years) from September 2004 to August 2007.
- SCOLARSHIP
- "Master Investigación y Doctorado" (Research Master and PhD), 2003 - 2007  
 chilean Fellowship.

TALKS IN RESEARCH SEMINARS

- 12 januray 2010 : Humboldt Universitt zu Berlin, Forschungsseminar Arithmetische Geometrie
- 25 november 2009 : Universiteit Leiden, Geometry seminar
- 8 september 2009 : Universidad de Santiago de Chile, Coloquio de matemticas
- 9 september 2009 : Universidad de Chile, Facultad de ciencias, Seminario de matemticas
- 10 september 2009 : Universidad Tcnica Federico Santa Mara, Seminario de matemticas
- 12 march 2009 : Institut de Mathématiques de Jussieu, Séminaire Groupes réductifs et formes automorphes
- 9 february 2009: Université de Lyon 1, Séminaire d'arithmétique (joint with ENS Lyon)
- 21 november 2008: Université de Bordeaux 1, Séminaire de théorie des nombres
- 24 september 2008: École Polytechnique Fédérale de Lausanne, Séminaire d'algèbre et de théorie des nombres
- 26 august 2008: Universidad católica de Chile, Coloquio de matemáticas. Santiago, Chile.

SUMMER SCHOOLS

- Summer school on Serre's modularity conjecture, CIRM, Luminy, France. July 2007.
- Asian-French Summer School in Algebraic Geometry and Number Theory 2006 : Motives and related topics, IHES, Bures-sur-Ivette, France. July 2006.
- Advanced course in Arakelov geometry and Shimura varieties, Centre de Recerca Matemtica, Barcelona, Spain. February 2006.
- Summer school on arithmetic geometry and automorphic forms, Tsinghua University, Beijing, China. August 2005.
- NATO Summer School, Equidistribution in Number Theory, CRM, Montréal, Canada. July 2005.

LANGUAGES

Spanish: mother tongue. English and french: fluent.