

Lorenzo Ramero  
ramero@math.univ-lille1.fr  
**Curriculum Vitae**

- 02/11 - 04/11 : Visiting professor at the Dipartimento di Matematica dell'Università di Padova (Italy).
- 11/09 - 01/10 : Visitor at the Max-Planck-Institut für Mathematik (Bonn).
- 02/08 - 05/08 : Délégation auprès du Dipartimento di Matematica dell'Università di Padova (Italy).
- 10/06 - 02/07 : Délégation auprès du Max-Planck-Institut für Mathematik (Bonn).
- From 09/05 : Professor at the Université de Lille I.
- 02/05 - 07/05 : Délégation auprès du CNRS (hosted by the Laboratoire A2X de l'Université de Bordeaux I).
- 04/04 - 07/04 : Délégation auprès du Max-Planck-Institut für Mathematik (Bonn).
- 09/03 - 12/03 : Délégation auprès de l'IHES (Bures-sur-Yvette).
- 26/11/02 : Habilitation à Diriger des Recherches. Jury composed by Prof. Luc Illusie (chairman), Dir. Rech. Yves André (CNRS), Ch. Rech. Quing Liu (CNRS), Prof. Michel Matignon and Prof. Michel Raynaud.
- 09/01 - 09/02 : Délégation auprès du CNRS (hosted by the Laboratoire de Théorie des Nombres de l'Université de Paris VI).
- 09/98 - 08/05 : Maître de Conférence at the Université de Bordeaux I (Associate Professor).
- 09/97 - 09/98 : Visitor at the Laboratoire d'Analyse Algébrique de l'Université de Paris VI.
- 09/96 - 09/97 : Visitor at the IHES (Bures-sur-Yvette).
- 09/95 - 09/96 : Visitor at the Max-Planck-Institut für Mathematik (Bonn).
- 09/94 - 09/95 : Wissenschaftlich Mitarbeiter (equivalent of Instructor) at the University of Essen.
- 01/94 - 09/94 : Lecturer in Mathematics at the Massachusetts Institute of Technology.
- Summer 1992 : Visitor at the Moscow Mathematical Institute.

- 09/90 - 12/93 : Graduate student in the Department of Mathematics of the Massachusetts Institute of Technology. The PhD degree was achieved with a thesis on “An  $\ell$ -adic Fourier transform over local fields” supervised by Prof. Alexander Beilinson.
- 11/89 - 07/90 : Fellow of the Istituto Nazionale di Alta Matematica, in Rome.
- 11/85 - 10/89 : Student of the Scuola Normale Superiore di Pisa, Class of Science. I obtained the Diploma di Licenza of the Scuola Normale Superiore and the Laurea in Matematica from the University of Pisa with a thesis on “Problemi di Razionalità”, under the direction of Prof. Fabrizio Catanese.

### Invited Talks and Awards

- 04/11 : invited speaker at the “British Mathematical Colloquium” in Leicester.
- 07/08 : invited speaker at the “ECM Satellite Conference in Algebraic Geometry” in Leiden.
- 08/04 : invited speaker at the “Workshop in Arithmetic and Algebraic Geometry” in Oberwolfach.
- 06/04 : invited speaker at the “Journées en l’honneur de Jean Fresnel” in Talence.
- 09/97 : two-year fellowship of the European Community program for “Training and Mobility of Researchers”.
- 05/97 : invited speaker at the IHP semester on “ $p$ -adic cohomology and arithmetic applications” (Paris).
- 09/96 : invited speaker at the “European Meeting in Arithmetic Geometry” in Platja d’Aro (Spain).
- 01/95 : invited speaker at the “First Italian Meeting in Number Theory” held in Rome.
- 1991 : fellowship for graduate studies abroad awarded by the Italian “Consiglio Nazionale per la Ricerca”.

I have given invited lectures in seminars at Brown University, Universität Göttingen, Università di Padova, Universität Münster, Universität Essen, MPI (Bonn), IHES (Bures-sur-Yvette), UC Berkeley, MIT (Cambridge, MA), University of Utah, Chuo University (Tokyo), University of Regina (Saskatchewan), Chennai Math. Institute, Academy of Science in Prague, Hebrew University in Jerusalem, Ben Gurion University in Beer Sheva, Université de Strasbourg, Université de Rennes, SISSA (Trieste), Imperial College (London) and several other places.

### Teaching

I have worked as a tenured Maitre de Conference, and then as a tenured Professor in France, since 1998. The teaching load amounts to 192 hours per year.

- Problem sessions (travaux dirigés) at various undergraduate levels (DEUG, Licence, Maîtrise).
- Post-Doctoral course on “Ramification sauvage et géométrie analytique non-archimédienne” (Bordeaux 1999).
- Graduate level course on “Introduction to rigid analytic geometry” (IMPA, Rio de Janeiro, June 2003).
- Master level course on “Introduction à l’algèbre commutative” (Bordeaux, 2005).
- Graduate level course on “Introduction to  $p$ -adic Hodge theory” (IMSc Chennai - India, June 2005).
- Master level course on “Algèbre commutative” (Lille, 2007).
- Graduate level mini-course on “Local systems on the punctured non-archimedean disc” (Padova, 2008).
- Advanced undergraduate level course on “ $p$ -adic Lie groups and Lie algebras” (Udine, 2008).
- Short course (3 lectures) on “Logarithmic algebraic geometry” in the Summer School on “Geometry and arithmetic around Galois theory” (Istanbul, June, 2009).
- Graduate level mini-course (6 lectures) on “Almost purity and  $p$ -adic Hodge theory” (Padova, 2011).

### Administration and other Responsibilities

- Referee for various research journals : *Compositio Mathematica*, *Annales de l’Institut Fourier*, *Transactions of the AMS*, *Memoirs of the AMS*, *Publicacions Matemàtiques*, *Journal of Algebra*, *IMRN*,...
  - Member of the Lille team of the GTEM european network.
- 02/07 – 06/08 : Member of the “Commission des Spécialistes de la Section 25” (hiring committee for the Department of Pure Mathematics) at the Université de Lille I.
- 12/08 : Membre du jury pour l’Habilitation à diriger des recherches de Johannes Nicaise, Université Lille I.
- 04/07 : Member of the Promotionskommission for the Doctoral Thesis of Remi Lodh, at the Universität Bonn (Thesis advisor : Gerd Faltings).
- 2008/09 : Organizer of the Colloquium Seminar of the Laboratoire de Mathématiques de l’Université Lille I.

06/10 : Co-organizer of the conference on “Current trends in logarithmic algebraic geometry” held in Bordeaux.

### Background

Italian citizenship. Fluent in italian, english and french. Some knowledge of german.

### Publications and Prepublications

- “Effective Estimates for Unirationality” appeared in *Manuscripta Mathematica* 68 (1990) pp.435–445.
- “Fourier Transforms in Arithmetic and Geometry” appeared in the *Rendiconti del Seminario Matematico del Politecnico di Torino* 53 (1995) no.4, pp.419–436.
- “On a Class of Analytic Étale Sheaves” appeared in *Journal of Algebraic Geometry* 7 (1998) no. 3 pp.405–504.
- “Fragments of Almost Ring Theory” appeared in the *Rendiconti del Seminario Matematico dell’Università di Padova* 104 (2000) pp.135–171.
- “Almost Ring Theory” monograph in collaboration with Ofer Gabber, Springer Lecture Notes in Mathematics 1800 (2003).
- “Local monodromy in non-Archimedean analytic geometry”, *Publ. Math. de l’IHES* 102 (2005) pp.167–280.
- “Foundations for almost ring theory” in preparation, in collaboration with Ofer Gabber. Current version (1308 pages) available on my web page <http://math.univ-lille1.fr/~ramero>.
- “Hasse-Arf filtrations in non-Archimedean analytic geometry”, *Journal of Algebraic Geometry* 21 (2012) pp.97–182.
- “Grimoire d’algèbre commutative” in preparation. Current version (370 pages) available on my web page.