

Summary Curriculum Vitae
of
Elisabeth Bouscaren

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Research interests: (Mathematical Logic) Model theory and applications to Algebra and Geometry.

Diplomas:

- Thèse de Doctorat de 3ème Cycle, Paris 7 (1979).
- Thèse de Doctorat D'Etat, Univ. Paris 7 (1985).

Summary of positions held.

In France:

- Chargée de Recherche CNRS, Équipe de Logique Mathématique, Université Paris 7, 1981-2005.
- Chargée de Recherche CNRS, Équipe Arithmétique et Géométrie Algébrique UMR 8628 - Université Paris-Sud 11 2005-2007.
- Directeur de Recherche CNRS, Équipe Arithmétique et Géométrie Algébrique UMR 8628 - Université Paris-Sud 11, since 2007.

Main temporary positions occupied outside of France:

- Invited Lecturer, Univ. of Yale, USA, 1982.
- Invited Assistant Professor, Univ. Notre-Dame, USA, 1986.
- Research Fellow, MSRI, USA, 1989.
- Research Fellow, Univ. Notre-Dame, USA, 2006.

Teaching:

- Since 1991, regularly graduate courses (M2) in the Master 2 “Logique et Fondements de l’informatique”, Univ. Paris 7.
- 2001-2004 : Logic course, Magistère of the Ecole Normale Supérieure de Paris (ENS Ulm).
- September 2005 : Minicourse “Introduction to model theory” Rentrée de Majeure, Ecole Polytechnique. – 2006-2007 : Course in the Masters program (M2) at Orsay (Paris-Sud 11) "Analyse, arithmétique et géométrie", with J-B.Bost: “Model theory, geometric and diophantine applications”.
- University of Notre-Dame (US) Topics course, Graduate level (Fev - March 2006) :” Model theory of separably closed fields”.

Some academic responsibilities:

International Programs:

- Coordination (in collaboration with G. Sabbagh) of a European Network in Model Theory and Applications, in the framework “Human Capital and Mobility“ (1994 - 1997).
- Member of the Program Committee for the semester “Model theory of fields and applications to Geometry”, MSRI, Berkeley, USA (Jan.86 - May 86).
- Chair of the Appointments Committee for the FP6 Marie Curie Research Training Network in "Model Theory and its applications" MODNET (Jan. 2005 - Dec. 2008).
- Since 2007 Member of the Scientific Committee of the Centre Emile Borel, at the Institut Henri Poincaré. (Paris, France).
- Local coordinator for Orsay (Paris-Sud 11) of the Master Erasmus Mundus ALGANT (Algebra, Geometry and Number theory) <http://www.ufr-mi.u-bordeaux.fr/ALGANT/>

French research Program: Coordinator of an ANR (Agence Nationale de la recherche) Program MODIG “Model theory and interactions with geometry”(2009-2013) <http://www.logique.jussieu.fr/zoe/MODIG/>

Selected list of relevant publications

- E. Bouscaren and E. Hrushovski *One-based theories*, J. Symb. Logic 59 (1994), 579–595.
- "Théorie des modèles et conjecture de Manin-Mumford [d'après Ehud Hrushovski]", Conférence au Séminaire Bourbaki, Volume 1999-2000, Exposé 870, Mars 2000.
- E. Bouscaren and F. Delon *Groups definable in separably closed fields*, Trans. Amer. Soc. 354 (2002), 945–960.
- E. Bouscaren, and F. Delon *Minimal groups in separably closed fields*, J. Symb.Logic 67 (2002), 239–259.
- E. Bouscaren *Groups interpretable in fields* in Proceedings of the International Congress of Mathematicians, Vol 2, Beijing 2002, Higher Education Press, 3–12.
- E. Bouscaren *Model theory and Geometry* in Logic Colloquium 2000, ASL, Lecture Notes in Logic, 2005, 3–31.
- **A book:** Editor and contributor of the book *Model Theory and Algebraic Geometry, An introduction to E. Hrushovski's proof of the geometric Mordell-Lang conjecture*, Lecture Notes in Mathematics vol. 1696, Springer, 1998.