CURRICULUM VITAE

LUCIEN SZPIRO

Distinguished Professor of Mathematics Graduate School University Center,
City University of New York
Directeur de Recherche Emerite, University of Paris-Sud, Orsay

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Born in Paris 23/12/1941
Doctorat d'Etat, University of Paris Sud, Orsay, 1971

Positions

Distinguished Professor (CUNY Graduate Center)1999
Directeur de Recherches de Classe Exceptionnelle (CNRS at Orsay)1991
Maitre de Recherches, then Directeur de Recherches (CNRS at ENS rue d'Ulm)1977-1991
Attaché, then Charge de Recherches 1969-1977 (CNRS at Paris VII)
Assistant, then Maitre Assistant 1965-1969 (Sorbonne)
Assistant Teacher (High School, Paris) 1963-1965

Visiting positions

Columbia University, New-York ; IAS, Princeton; IMPA, Rio de Janeiro; University of Chicago; University of Todai, Tokyo; MSRI, Berkeley; TIFR, Bombay; MPI, Bonn; Mittag-Leffler Institute, Stokholm; University of Aarhus; Brandeis University, Waltham.

Prize

Fondation Doistau-Blutel (Academie des Sciences de Paris) 1987 "For his work in Commutative Algebra and Algebraic Geometry and for his contribution to G.Faltings' proof of the Mordell conjecture."

Scientific work

The Ph.D. was written under the direction of Pierre Samuel. It was especially influenced by seminars of C. Chevalley, A. Grothendiek and M.Auslander.
The publications range from the theory of perfect complexes to the geometry and dynamics of heights in number theory. They cover the following subjects:
Commutative Algebra
Projective Geometry
Geometry of surfaces fibered over a curve
Arithmetic Geometry (discriminants and conductors of elliptic curves, rational points)

Algebraic Dynamics

Direction of Research

Organiser of yearly seminars. Three of these seminars have been written up and published in Astérisque (vol. 86, 127, 183). Since 1999 my seminar has been taking place at the Graduate Center in New York.
Current Ph.D. students at the Graduate Center: Nikita Miasnikov, Sandra Sze, Phillip Williams, and Liang Zhao.

Ph.D.s supervised:

L. Moret-Bailly (Professor in Rennes); M.Deschamps (Professor University of Versailles); Shouwu-Zhang (Professor at Columbia); M.Flexor (Maitre de conferences at Orsay); E.Ullmo (Professor at Orsay); A.Abbes (Charge de recherches at Paris Nord); C.Gasbarri (Professor Roma); P.Mikkelsen (Wall Street); A.Mimar (Wall Street); J.Pesenti (Dot com in data mining, Philadelphia); R.Litcanu(Post Doc in Rennes, Barcelona); J.Pineiro (Bronx Community College); M.Majidi-Zolbanin (LaGuardia Community College, New York); M. Tepper (Professor, University of Pennsylvania - Abingdon); Y. Baishanski (LaGuardia Community College, New York); A. Bhatnagar (Lehman College, New York)

Editor in Chief "Astérisque" 1991 to 1993.
Editor "Bulletin de la Societe Mathematique de France" 1984 to 1990.

Organiser of a week every year at Oberwolfach from 1972 to 1992.
Organiser of a conference in Arithmetic Geometry at Luminy in 1994.
Organiser New York Joint Number Theory Seminar, New York,2002- present
Organiser Algebraic Dynamics Workshop, New York, 2002, 2010

Scientific Committee European Research Council in Pisa, Italy, 2010
Scientific Committee ICERM (NSF) at Brown University, "Dynamics in 2012"

NSF Grants: Research Training Grant in Number Theory; Focus Research Grant in Algebraic Dynamics (with support for Post Doc and 3 students, workshops, and consultations)

Seven Selected Publications

"Dimension projective finie et cohomologie locale. Applications à la démonstration de conjectures de M. Auslander, H. Bass et A. Grothendieck," with C. Peskine. *Inst. Hautes Études Sci. Publ. Math.,* 42, (1973), 47-119.

"Liaison des variétés algébriques," with C. Peskine. *Invent. Math.,* 26, (1974), 271-302.

"Sur la théorème de rigidité de Parshin et Arakelov," *Journées de Géométrie Algébrique de Rennes (Rennes, 1978), Vol. II. Astérisque,* 64, (1979), 169-202.

"Sur les propriétés numériques du dualisant relatif d'une surface arithmétique," *The Grothendieck Festschrift, Vol. III. Progr. Math.,* 88, 229-246. Birkhäuser Boston, Boston, MA, 1990.

"Équirépartition des petits points," with E. Ullmo and S. Zhang. *Invent. Math.,* 127, (1997), 337-347.

"Inégalité du discriminant pour les pinceaux elliptiques à réductions quelconques," with J. Pesenti. *Compositio Math.,* 120, (2000), 83-117.

"A Shafarevich-Faltings Theorem for rational functions," with T. Tucker. *Quarterly Journal of Pure and Applied Mathematics, for the occasion of the sixtieth birthday of Fedor Bogomolov,* Vol. 4 No.3, (2008), 715-728.