

LUCA BARBIERI VIALE

Publication List

*In Preparation

Sharp cohomology *in preparation, 2011*

Nori 1-motives (jointly with J. AYOUB) Oberwolfach Report OWR (DOI: 10.4171/OWR/2010/23) *in preparation, 2010*

Pre-E-Prints [http://arxiv.org/math.AG/.....](http://arxiv.org/math.AG/)

On the derived category of 1-motives (jointly with B. KAHN)

<http://arxiv.org/abs/1009.1900> (Submitted, 214 pages)

Compare to the 2007 preprint available as Part I, 144 pages, Prépublication Mathématique de l'IHÉS (M/07/22), June 2007 and

<http://arxiv.org/abs/0706.1498>

Booklet

Albanese and Picard 1-motives (jointly with V. SRINIVAS) *Mémoires de la Société Mathématique de France* (Paris) N. 87 (2001) p. 104.

On Journals

18. **Sharp De Rham realization** (jointly with A. BERTAPELLE) *Advances in Mathematics* (Elsevier) Vol. 222, Issue 4, (2009) 1308-1338

17. **1-motivic sheaves and the Albanese functor** (jointly with J. AYOUB) *Journal of Pure and Applied Algebra* (Elsevier) Vol. 213, No. 5 (2009) 809-839

16. **The Néron-Severi group of a proper seminormal complex variety** (jointly with A. ROSENSCHON & V. SRINIVAS) *Mathematische Zeitschrift* (Springer-Verlag) Vol. 261, N. 2 (2009) 261-276

15. **A note on relative duality for Voevodsky motives** (jointly with B. KAHN) *Tohoku Mathematical Journal* Vol. 60, No. 3 (2008) 349-356

14. **Formal Hodge theory** *Mathematical Research Letters*, (International Press) Vol. 14 Issue 3 (2007) 385-394.

13. **A pamphlet on motivic cohomology** *Milan Journal of Mathematics*, (Birkhauser Verlag, Basel/Switzerland) Vol. 73 (2005) 53-73.

12. **Crystalline realizations of 1-motives** (jointly with F. ANDREATTA) *Mathematische Annalen*, (Springer-Verlag, Heidelberg) Vol. 331, N. 1, (2005) 111-172.
11. **Deligne's conjecture on 1-motives** (jointly with A. ROSENSCHON & M. SAITO) *Annals of Mathematics* (Princeton, USA) Vol. 158, N. 2, (2003) 593-633.
10. **Albanese and Picard 1-motives** (jointly with V. SRINIVAS) *Comptes rendus de l'Académie des Sciences Paris*, t. 326, Série I (1998) 1397-1401.
9. **\mathcal{H} -cohomologies versus algebraic cycles** *Mathematische Nachrichten* 184 (1997) 5-57.
8. **Roitman's theorem for singular complex projective surfaces** (jointly with C. PEDRINI & C. WEIBEL) *Duke Mathematical Journal* Vol. 84, N. 1 (1996) 155-190.
7. **A reformulation of Bloch's conjecture** (jointly with & V. SRINIVAS) *Comptes rendus de l'Académie des Sciences Paris*, t. 321 Série I (1995) 211-214.
6. **The Néron-Severi group and the mixed Hodge structure on H^2** (jointly with V. SRINIVAS) *J. reine angew. Math. (Crelles Journal)* 450 (1994) 37-42.
5. **On the Néron-Severi group of a singular variety** (jointly with V. SRINIVAS) *J. reine angew. Math. (Crelles Journal)* 435 (1993) 65-82.
4. **Des invariants birationnels associés aux théories cohomologiques** *Comptes rendus de l'Académie des Sciences Paris*, t. 315 Série I (1992) 1259-1262.
3. **Zero-cycles on singular varieties: torsion and Bloch's formula** *Journal of Pure and Applied Algebra* 78 (1992) 1-13.
2. **\mathcal{K} -coomologia e cicli algebrici locali** *Comptes rendus de l'Académie des Sciences Paris*, t. 311, Série I (1990) 223-228.
1. **Lattice theoretic aspects of doctrines and hyperdoctrines** *Rendiconti dell' Accademia Nazionale delle Scienze detta dei XL, Memorie di*

Matematica, 104 (1986), Vol.X, fasc. 8, 93-102.

On Proceedings

5. **On the theory of 1-motives** in “Algebraic Cycles and Motives” ed. J. Nagel, C. Peters (Proceedings of the workshop on the occasion of the 75th birthday of J.P. Murre - 2004, Lorentz Center, Leiden) London Mathematical Society Lecture Note Series, Vol. 343, Cambridge University Press, London, 2007.

4. **On algebraic 1-motives related to Hodge cycles** in “Algebraic Geometry – A volume in memory of Paolo Francia” *W. de Gruyter* Berlin/New York, 2002, p. 26-60.

3. **Balanced varieties** in *Algebraic K-theory and its Applications* ed. H. Bass, A.O. Kuku e C. Pedrini (Symposium Algebraic K-Theory and its Applications, ICTP, Trieste 1997) World Scientific, Singapore, 1999, p. 298-312.

2. **Cicli di codimensione 2 su varietà unirazionali complesse** in *K-theory* ed. C. Kassel, J.-J. Loday e N. Schappacher (Colloque de K-théorie, Strasbourg, 1992) Astérisque 226 Société Mathématique de France, 1994, p. 13-41.

1. **Cohomology theories and algebraic cycles on singular varieties** in *Algebraic K-Theory, Commutative Algebra and Algebraic Geometry* ed. R. K. Dennis, C. Pedrini e M. R. Stein (Santa Margherita, 1989) *American Mathematical Society Contemporary Mathematics* Vol. 126 (1992) 197-217.

Ph.D. Thesis

Teorie coomologiche e cicli algebrici sulle varietà singolari *Pubblicazioni Dipartimento di Matematica dell' Università di Genova* N. 162 (1991) p. 148.