

Curriculum Vitæ

Ramesh Sreekantan

Statistics and Mathematics Unit
Indian Statistical Institute
8th Mile, Mysore Road, R.V. College Post.
Jnana Bharathi, Bangalore 560059
India

“Usha Kiran”
231, 15th Cross
Malleswaram
Bangalore, 560003
India

Email: rameshsreekantan@gmail.com
Tel(mobile):+91-9880459642
Tel(home):+91-80-23347434
Web Page: <http://www.math.tifr.res.in/~ramesh>

Personal

- Birthplace: Bangalore, India.
- Citizenship: Indian.

Education

- Ph.D.: University of Chicago, June 1998
- S.M.: University of Chicago, Dec 1993
- B.Sc.: St. Xavier’s College, University of Bombay, May 1992

Dissertation

- *Higher Chow Groups and CM cycles on families of Abelian Surfaces*, University of Chicago 1998. Advised by Prof. Spencer Bloch.

Research Specialty

Number Theory and Algebraic Geometry especially the theory of Algebraic Cycles.

Professional Appointments

- Indian Statistical Institute, Bangalore - Assistant Professor 2009 -
- TIFR Centre for Applicable Mathematics, Bangalore - Visiting Faculty on deputation from TIFR Mumbai, 2006-2009
- Max-Planck-Institut für Mathematik, Bonn, Germany - Visitor 2005-2006, Summer 2009.
- Tata Institute of Fundamental Research, Mumbai - Fellow, 2004-2009

- University of Toronto, Toronto, Canada - Post-doctoral Fellow, 2002-2004
- Tata Institute of Fundamental Research, Mumbai, India - Visiting Fellow, 2001-2002
- Duke University, Durham, NC, USA - Assistant Research Professor, 1998-2001
- Institute for Advanced Study, Princeton, NJ, USA - Visiting Member, 1998-1999.

Published and accepted articles

- *Higher Chow Groups and CM cycles on families of Abelian Surfaces* – Doctoral Thesis.
- *Relations among Heegner cycles on families of abelian surfaces* – Compositio Mathematica vol. 127, 2001, no.3, 243-271
- *An Analogue of Cyclotomic Units for products of Elliptic Curves*, with S.Baba – Proceedings of the Edinburgh Math. Society (2) 47, (2004), no. 1, 35–51.
- *Iterated integrals and higher order automorphic forms*, with N.Diamantis – Commentarii Mathematici Helvetici, 86, (2006).
- *An analogue of the Hodge-D-conjecture for products of elliptic curves* – Journal of Algebraic Geometry 17 (2008), 781-798.
- *Essential Dimension of Abelian Varieties over Number Fields*, with P.Brosnan – Comptes rendus de l'Académie des sciences – Mathematics (346) 2008, 7-8, 417-420.
- *Non-Archimedean regulator maps and special values of L-functions* – Proceedings of the International Colloquium on Motives and Shimura Varieties, TIFR Mumbai, January 2008.
- *Higher order Modular Forms and Mixed Hodge Theory*, – Acta Arithmetica 139 (2009), 321-340.
- *K_1 of products of Drinfeld modular curves and special values of L-functions* – Compositio Mathematica, volume 146, issue 04,2010, pp. 886-918.

Preprints and work in progress

- *Abelian Surfaces, Kummer Surfaces and the non-Archimedean Hodge-D-conjecture* - submitted.
- *Abelian Surfaces and the non-Archimedean Hodge-D-conjecture - the semistable case* - in preparation.
- *On the Motive of the Monodromy Operator*, with A. Clingher and G.V. Ravindra - in preparation.

Unpublished preprints

- *Multiple L-values and periods of integrals*, preprint.

Invited Talks

- Isaac Newton Institute, February 1998.
- University of Pennsylvania, February 1999.
- University of Toronto, January 2002.
- McGill University, January 2002.
- McMaster University, January 2003.
- Fields Institute special seminar, March 2003.
- University of California at Los Angeles, April 2003.
- University of Chicago, April 2003.
- UNAM, Morelia, Mexico, July 2003.
- Washington University St. Louis, February 2004.
- Indian Statistical Institute, Bangalore, October 2004.
- University of Nottingham, March 2005.
- University of Durham, March 2005.
- University College, Dublin, November 2005.
- Queens University, Belfast, November 2005.
- ETH, Zürich, February 2006.
- Bilgi University, Istanbul, August 2006.
- Indo-UK Number Theory conference - IMSc, Chennai, September 2006.
- International Colloquium on Cycles, Motives and Shimura Varieties - TIFR, Mumbai, January 2008.
- Workshop on K-theory and Algebraic Cycles - IMSc. Chennai, January 2008.
- Conference on 'Regulators and Heights in Algebraic Geometry' - University of Alberta, Edmonton, Alberta, April 2008.
- University of North Carolina, Chapel Hill, April 2008.
- University of Tübingen, Tübingen, Germany, September 2008.
- Adam Mickiewicz University, Poznan, Poland, June 2009.
- Feza Gursey Institute, Istanbul, Turkey, June 2009.
- Università degli Studi di Milano-Bicocca, May 2010.
- IISER, Mohali, October 2010.

- Binghamton University, May 2011.
- McGill University, Montreal, May 2011
- University of Maryland, College Park, July 2011.
- Plenary talk at Conference on ‘Galois Representations and Automorphic Forms’, Bedlewo, Poland, August 2011.

References

- Prof. Spencer Bloch – bloch@math.uchicago.edu – Department of Mathematics, The University of Chicago, 5734 S. University Ave., Chicago, IL 60637, USA. Telephone: +1-773-702-7100. Fax: +1-773-702-9787.
- Prof. James Lewis – lewisjd@ualberta.ca – Department of Mathematical Sciences, University of Alberta, 632 Central Academic Building, Edmonton, AB T6G 2G1, Canada. Telephone: +1-780-492-0217 Fax: +1-780-492-6826.
- Prof. Henri Darmon – darmon@math.mcgill.ca – Department of Mathematics, McGill University, Burnside Hall, 805 Sherbrooke Street West, Montreal, Quebec, Canada, H3A 2K6. Telephone: +1-514-398-2263 Fax: +1-514-398-3899.
- Prof. Dorian Goldfeld – goldfeld@columbia.edu – Mathematics Building, Room 422, Columbia University, New York, NY 10027, USA. Telephone:+1-212-854-4304 Fax:+1-212-854-8962.