

List of Publications

of

Riccardo Salvati Manni

- (1) **H. Farkas, S. Grushevsky, R. Salvati Manni** “ An explicit solution to the weak Schottky problem ”, arXiv:1710.02938
- (2) **E. Freitag, R. Salvati Manni.** “The Göpel variety” *Experimental Mathematics*, (2017): DOI: 10.1080/10586458.2017.1389322 arXiv:1706.05816
- (3) **R. Auffarth, G. Codogni, R. Salvati Manni** “The Gauss map and secants of the Kummer variety”, arXiv:1706.01870
- (4) **E. Freitag, R. Salvati Manni.** “On the variety associated to the ring of theta constants in genus 3” arXiv:1606.04468
- (5) **R. Auffarth, G. P. Pirola, R. Salvati Manni** “ Torsion points on theta divisors”, *Proc. Amer. Math. Soc.* 145 (2017), 89-99; arXiv:1512.09296
- (6) **F. Dalla Piazza, A. Fiorentino, S. Grushevsky, S. Perna R. Salvati Manni** “Vector-Valued Modular Forms and the Gauss Map ”, *Documenta Math.* 22 (2017) 1063–1080; arXiv:1505.06370
- (7) **F. Dalla Piazza, A. Fiorentino, R. Salvati Manni** “ Plane quartics: the matrix of bitangents”, *Isr. J. Math.* (2017), 217–238, doi:10.1007/s11856-017-1440-z arXiv:arXiv:1409.5032
- (8) **E. Freitag, R.Salvati Manni,** “ Octavic theta series”, *Asian Journal of Mathematics* Volume 21 (2017) pp. 483-498, arXiv:1408.4537
- (9) **E. Freitag, R.Salvati Manni,** “ Vector valued modular forms on three dimensional ball”, Accepted by TAMS arXiv:1404.3057
- (10) **E. Freitag, R.Salvati Manni,** “ Vector valued hermitian and quaternionic modular forms”, *Kyoto Jour. Math* (2015) Vol 4 819 - 836 arXiv:1402.1929
- (11) **E. Freitag, R.Salvati Manni,** “Basic vector valued Siegel modular forms of genus two ”, *Osaka Math. Jour.* (2015) n.52 Vol 3 879–895. arXiv:1312.6811
- (12) **F. Dalla Piazza, R.Salvati Manni** , “ On the Coble quartic and Fourier-Jacobi expansion of theta relations”*Int. J. Math.* 26, (2015) DOI: 10.1142/S0129167X15500196 arXiv:1304.7659
- (13) **E. Freitag, R.Salvati Manni,** “Parametrization of the box variety by theta functions ”, *Michigan Math. J.* Volume 65, Issue 4 (2016), 675-691; arXiv:1303.6495
- (14) **S. Grushevsky, R.Salvati Manni,** “ On Coble quartic” *Am. Math. Jour.*(2015) Volume 137, pp. 765–790; arXiv:1212.1895

- (15) **E. Freitag, R.Salvati Manni**, “ Some ball quotients with a Calabi–Yau model ”, **Proc. Am. Math. Soc.** Volume 143, Number 8, (2015) , pp 3203-3209 arXiv:1204.3294
- (16) **E. Freitag, R.Salvati Manni**, “ A three dimensional ball quotient ”, **Math. Zeit.** Volume 276 (2014), Issue 1-2, pp 345-370. arXiv:1201.0131
- (17) **G. Farkas, S. Grushevsky, R.Salvati Manni, A. Verra**: “ Singularities of theta divisors and the geometry of \mathcal{A}_5 ” **Jour. Eu. Math. Soc.** vol. 16 (2014) pp 1817–1848. arXiv:1112.6285
- (18) **S. Grushevsky, R.Salvati Manni**: “ The Prym map on divisors, and the slope of \mathcal{A}_5 (appendix by K. Hulek)” **Int Math Res Notices** (2014) vol.24 pp. 6645-6660 doi: 10.1093/imrn/rnt181 arXiv:1107.3094
- (19) **E. Freitag, R.Salvati Manni**, “ On Siegel threefolds with a projective Calabi-Yau model ”, **CNTP**, 5 (2011) 713–750 , arXiv:1103.2040
- (20) **S. Grushevsky, R.Salvati Manni**: “ The Scorza correspondence in genus 3” **Manuscripta Mathematica** Volume 141, (2013) pp 111-124, arXiv:1009.0375
- (21) **S. Cynk, E. Freitag, R.Salvati Manni**:” The geometry and arithmetic of a Calabi-Yau Siegel threefold.” **Int. Jour. Math.** 29 (2011), 1561–1583] arXiv:1004.2997
- (22) **E. Freitag, R.Salvati Manni**, “ Some Siegel threefolds with a Calabi-Yau model II”, *Kyungpook Mathematical Journal* 2013 Vol. 53, No. 2, 149174 arXiv:1001.0324
- (23) **S. Grushevsky, R.Salvati Manni**, “The superstring cosmological constant and the Schottky form in genus 5.” **Am. Jour. Math.** 133 (2011) 1007–1027. arXiv: 0809.1391, Erratum **Am. Jour. Math.** 134 (2012) 1139–1142
- (24) **E. Freitag, R.Salvati Manni**, “The modular variety of hyperelliptic curves of genus three ” , **Trans. Amer. Math. Soc.** , 363 (2011), 281-312.
- (25) **E. Freitag, R.Salvati Manni**, “ Some Siegel threefolds with a Calabi-Yau model”, **Ann. Scuola Norm. Sup. Pisa Cl. Sci.** (5) Vol IX (2010), 833-850 ; arXiv:0905.415
- (26) **S. Grushevsky, R.Salvati Manni**, “The vanishing of two-point functions for three-loop superstring scattering amplitudes” **Comm. Math. Phys.** 294 ;(2010) 343-352] ; arXiv: 0806.0354
- (27) **M. Oura, C. Poor R.Salvati Manni, D. Yuen**, “Modular Forms of weight 8 for $\Gamma_g(1,2)$. **Mathematische Annalen**, 346 (2010) , 477-498 ; arXiv:0811.2259

- (28) **S. Grushevsky, R.Salvati Manni**, “The loci of abelian varieties with points of high multiplicity on the theta divisor.”, **Geom. Ded.** 139 (2009), 233–247.
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- (30) **S. Grushevsky, R.Salvati Manni**, “Jacobians with a vanishing theta-null in genus 4.”, **Isr. Jour Math** 164 (2008), 303–315.
- (31) **M. Oura R.Salvati Manni**, “On the image of code polynomials under theta map. ”, **J. Math Kyoto Un.** 48 (2008), 895–906.
- (32) **R.Salvati Manni**, “Remarks on Superstring amplitudes in higher genus. ”, **Nucl Phys B.** 801 (2008), 163–173.
- (33) **J. Kramer, R.Salvati Manni** : “Green’s currents for families of hermitian vector bundles characterizing certain vanishing loci’, **Abh. Math. Sem.** 78 (2008), 51–67.
- (34) **E. Freitag, R.Salvati Manni**, “Modular forms for the even unimodular lattice of signature (2,10)”, **J. Alg. Geom** 16 (2007), 753–791. arXiv:0710.5920
- (35) **S. Grushevsky, R.Salvati Manni**, “ Singularities of the Theta divisor at points of order two ”, **Int. Math. Res. Not.** 15 (2007), 1–15.
- (36) **E. Freitag, R.Salvati Manni**, “Some modular varieties of low dimension II”, **Adv. Math** 214 (2007), 132-145.
- (37) **R.Salvati Manni**, “On the varieties defined by Riemann-Mumford’s relations”, **Proc. Am. Math. Soc.** 135 (2007), 1241–1247.
- (38) **C. Bachoc, R.Salvati Manni**, “On theta series vanishing at *inf*ty and related lattices ”, **Acta Arithm.** 124 (2006), 59–71.
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- (44) **E. Freitag, R.Salvati Manni**, “The Burkhardt group and modular forms.”, **Transf. Group** 9 (2004), 25–45.

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