

List of Publications

of

Riccardo Salvati Manni

- (1) **F.Poon, R.Salvati Manni, G.Sankaran** “Slopes of Siegel cusp forms and geometry of compactified Kuga varieties” ,arXiv:2109.06142
- (2) **G.Mondello, R. Salvati Manni** “Totally irreducible subvarieties of Siegel moduli spaces” arXiv:2105.03861
- (3) **A. Fiorentino, R. Salvati Manni** “On Frobenius’ theta formula ” **SIGMA** 16, Paper 057, 14 p. (2020)
- (4) **M. Dittmann, R. Salvati Manni, N. R. Scheithauer** “Harmonic theta series and the Kodaira dimension of \mathcal{A}_6 ” **Algebra Number Theory** 15(1): 271-285 (2021). arXiv:1909.07062
- (5) **G. Pareschi, R. Salvati Manni** “ 2-torsion points on theta divisors” arXiv:1907.07084
- (6) **H. Farkas, S. Grushevsky, R. Salvati Manni** “ An explicit solution to the weak Schottky problem ”, **Algebr. Geom.** 8, No. 3, 358-373 (2021) arXiv:1710.02938
- (7) **E. Freitag, R. Salvati Manni.** “The Göpel variety” **Exp. Math.** 28, No. 3, 284-291 (2019)): DOI: 10.1080/10586458.2017.1389322 arXiv:1706.05816
- (8) **R. Auffarth, G. Codogni, R. Salvati Manni** “The Gauss map and secants of the Kummer variety”, **Bull. London Math. Soc.** 51 (2019),489-500 arXiv:1706.01870
- (9) **E. Freitag, R. Salvati Manni.** “On the variety associated to the ring of theta constants in genus 3” **Amer. Journ. Math.** 141 (2019), 705–732 DOI: 10.1353/ajm.2019.0021 arXiv:1606.04468
- (10) **R. Auffarth, G. P. Pirola, R. Salvati Manni** “ Torsion points on theta divisors”, **Proc. Amer. Math. Soc.** 145 (2017), 89-99; arXiv:1512.09296
- (11) **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
- (12) **F. Dalla Piazza, A. Fiorentino, R. Salvati Manni** “ Plane quartics: the matrix of bitangents”, **Isr. J . Math.** (2017), 217 111–138, doi:10.1007/s11856-017-1440-z , arXiv:1409.5032
- (13) **E. Freitag, R.Salvati Manni,** “ Octavic theta series” , **Asian Journal of Mathematics** Volume 21 (2017) pp. 483-498, arXiv:1408.4537
- (14) **E. Freitag, R.Salvati Manni,** “ Vector valued modular forms on three dimensional ball”, **Trans. Amer. Math. Soc.** 371 (2019), 5293-5308 , arXiv:1404.3057

- (15) **E. Freitag, R.Salvati Manni**, “ Vector valued hermitian and quaternionic modular forms”, *Kyoto Jour. Math* (2015) Vol 4 819 - 836 arXiv:1402.1929
- (16) **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
- (17) **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
- (18) **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
- (19) **S. Grushevsky, R.Salvati Manni**, “ On Coble quartic” **Am. Math. Jour.**(2015) Volume 137, pp. 765–790; arXiv:1212.1895
- (20) **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
- (21) **E. Freitag, R.Salvati Manni**, “ A three dimensional ball quotient ”, **Math. Zeit.** Volume 276 (2014), Issue 1-2, pp 345-370. arXiv:1201.0131
- (22) **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
- (23) **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
- (24) **E. Freitag, R.Salvati Manni**, “ On Siegel threefolds with a projective Calabi-Yau model ”, **CNTP**, 5 (2011) 713–750 , arXiv:1103.2040
- (25) **S. Grushevsky, R.Salvati Manni**: “ The Scorza correspondence in genus 3” **Manuscripta Mathematica** Volume 141, (2013) pp 111-124, arXiv:1009.0375
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- (27) **E. Freitag, R.Salvati Manni**, “ Some Siegel threefolds with a Calabi-Yau model II”, *Kyungpook Mathematical Journal* 2013 Vol. 53, No. 2, 149—174 arXiv:1001.0324
- (28) **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

- (29) **E. Freitag, R.Salvati Manni**, “The modular variety of hyperelliptic curves of genus three ” , **Trans. Amer. Math. Soc.** , 363 (2011), 281-312.
- (30) **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
- (31) **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
- (32) **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
- (33) **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.
- (34) **E. Freitag, R.Salvati Manni**, “ A five-dimensional modular variety”, **manu. mathematica** 125 (2008), 495–500.
- (35) **S. Grushevsky, R.Salvati Manni**, “Jacobians with a vanishing theta-null in genus 4.”, **Isr. Jour Math** 164 (2008), 303–315.
- (36) **M. Oura R.Salvati Manni**, “On the image of code polynomials under theta map. ”, **J. Math Kyoto Un.** 48 (2008), 895–906.
- (37) **R.Salvati Manni**, “Remarks on Superstring amplitudes in higher genus. ”, **Nucl Phys B.** 801 (2008), 163–173.
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- (42) **R.Salvati Manni**, “On the varieties defined by Riemann-Mumford’s relations”, **Proc. Am. Math. Soc.** 135 (2007), 1241–1247.
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