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Biographical Sketch

Education

1966–1969: Ph.D. in Theoretical Physics, Cambridge University (advisor Peter Landshoff)
1965: B.Sc. in Mathematics, London University

Academic Appointments

2001–present: Professor, University of Colorado, Boulder, Colorado
1996–2001: Associate Professor, University of Colorado, Boulder, Colorado
1989–1996: Assistant Professor, University of Colorado, Boulder, Colorado
March 1989-Aug. 1989: Member,Institute for Advanced Study, Priinceton, NJ
1985–1989:Research associate, Theory Group, University of Texas Austin, TX 78712, U.S.A.
1974–1984:Lecturer/Professor University of Sri Lanka
Oct. 1972-Dec. 1973: Visiting scientist at CERN, Geneva, Switzerland.
Oct. 1970-Sept. 1972: Junior Research fellow Churchill College, Cambridge, England.
Sept 1969 - Aug. 1970: Research associate University of Toronto, Canada

Honors and Awards

2012: Visiting Professorship, ICTP Trieste
2012: SFB Fellowship DESY/University of Hamburg,
2005: Sabbatical award from Perimeter Institute
1997: University of Colorado Faculty Fellowship, invited visitor IAS Princeton
1993: Japan Society for Promotion of Science Fellowship
1983: Commonwealth Academic Staff Fellowship

Selected Peer Reviewed Publications

1. M. Cicoli, S. De Alwis, A. Maharana, F. Muia and F. Quevedo, "De Sitter vs Quintessence in String Theory," Fortschritte der Physik **PROP1616**, doi:10.1002/prop.201800079 arXiv:1808.08967 [hep-th].

2. S. P. de Alwis, "Exact RG Flow Equations and Quantum Gravity," JHEP **1803**, 118 (2018) doi:10.1007/JHEP03(2018)118 [arXiv:1707.09298 [hep-th]].

3. M. Cicoli, D. Ciupke, S. de Alwis and F. Muia, "α' Inflation: moduli stabilisation and observable tensors from higher derivatives," JHEP **1609**, 026 (2016) doi:10.1007/JHEP09(2016)026 [arXiv:1607.01395 [hep-th]].

4. C. P. Burgess, M. Cicoli, S. de Alwis and F. Quevedo, "Robust Inflation from Fibrous Strings," JCAP **1605**, no. 05, 032 (2016) doi:10.1088/1475-7516/2016/05/032 [arXiv:1603.06789 [hep-th]].

5. S. de Alwis, J. Louis, L. McAllister, H. Triendl and A. Westphal, "Moduli spaces in AdS_4 supergravity," JHEP **1405**, 102 (2014) doi:10.1007/JHEP05(2014)102 [arXiv:1312.5659 [hep-th]].

6. S. de Alwis, R. Gupta, E. Hatefi and F. Quevedo, JHEP **1311**, 179 (2013) doi:10.1007/JHEP11(2013) [arXiv:1308.1222 [hep-th], arXiv:1308.1222].

7. M. Cicoli, S. de Alwis and A. Westphal, "Heterotic Moduli Stabilisation," JHEP **1310**, 199 (2013) doi:10.1007/JHEP10(2013)199 [arXiv:1304.1809 [hep-th]].

8. S. de Alwis and K. Givens, "Dark Matter density and the Higgs mass in LVS String Phenomenology," Phys. Lett. B **719**, 143 (2013) [arXiv:1203.5796 [hep-ph]].

9. H. Baer, S. de Alwis, K. Givens, S. Rajagopalan and H. Summy, "Gaugino Anomaly Mediated SUSY Breaking: phenomenology and prospects for the LHC," JHEP **1005**, 069 (2010) [arXiv:1002.4633 [hep-ph]].

10. S. P. de Alwis, "Classical and Quantum SUSY Breaking Effects in IIB Local Models," JHEP **1003**, 078 (2010) [arXiv:0912.2950 [hep-th]].

11. I. Ben-Dayan, R. Brustein and S. P. de Alwis, "Models of Modular Inflation and Their Phenomenological Consequences," JCAP **0807**, 011 (2008) [arXiv:0802.3160 [hep-th]].

12. S. P. de Alwis, "On Anomaly Mediated SUSY Breaking," Phys. Rev. D **77**, 105020 (2008) [arXiv:0801.0578 [hep-th]].

13. C. P. Burgess, P. G. Camara, S. P. de Alwis, S. B. Giddings, A. Maharana, F. Quevedo and K. Suruliz, "Warped Supersymmetry Breaking," JHEP **0804**, 053 (2008) doi:10.1088/1126-6708/2008/04/053 [hep-th/0610255].

14. S. P. de Alwis, "Transitions between flux vacua," Phys. Rev. D **74**, 126010 (2006) [arXiv:hep-th/0605184].

15. R. Brustein and S. P. de Alwis, "The landscape of string theory and the wave function of the universe," Phys. Rev. D **73**, 046009 (2006) [arXiv:hep-th/0511093].

16. S. P. de Alwis, "On integrating out heavy fields in SUSY theories," Phys. Lett. B **628**, 183 (2005) [arXiv:hep-th/0506267].

17. S. P. de Alwis, "Effective potentials for light moduli," Phys. Lett. B **626**, 223 (2005) [arXiv:hep-th/0506266].

18. R. Brustein, S. P. de Alwis and P. Martens, "Cosmological stabilization of moduli with steep potentials," Phys. Rev. D **70**, 126012 (2004) [arXiv:hep-th/0408160].

19. R. Brustein and S. P. de Alwis, "Moduli potentials in string compactifications with fluxes: Mapping the discretuum," Phys. Rev. D **69**, 126006 (2004) [hep-th/0402088].