

## SCIENTIFIC PUBLICATIONS

### A. REFEREED JOURNALS

- (1) *Extended Conformal Supergravity*, with M. de Roo and B. de Wit, Nucl. Phys. B182 (1981) 173-204
- (2) *Ten-dimensional Maxwell-Einstein Supergravity, its Currents, and the Issue of its Auxiliary Fields*, with M. de Roo, B. de Wit and P. van Nieuwenhuizen, Nucl. Phys. B195 (1982) 97-136
- (3) *The Supercurrent in Ten Dimensions*, with M. de Roo, Phys. Lett. 112B (1982) 53-58
- (4) *Conformal Supergravity in Ten Dimensions*, with M. de Roo and B. de Wit, Nucl. Phys. B217 (1983) 489-530
- (5) *Superconformal Aspects of  $d = 11$  Supergravity*, with M. de Roo, Phys. Lett. 138B (1984) 67-71
- (6) *Supersymmetric Skyrmions in Four Dimensions*, with R.I. Nepomechie and H.J. Schnitzer, Nucl. Phys. B249 (1985) 93-130
- (7) *Coupling of Yang-Mills to  $N = 4, d = 4$  Supergravity*, with I.G. Koh and E. Sezgin, Phys. Lett. 155B (1985) 71-75
- (8) *Yang-Mills-Einstein Supergravity in Seven Dimensions*, with I.G. Koh and E. Sezgin, Phys. Rev. D32 (1985) 1353-1357
- (9) *Heterotic  $\sigma$ -Models and Conformal Supergravity in Two Dimensions*, with E. Sezgin and H. Nishino, Phys. Lett. 166B (1986) 141-148
- (10) *Superconformal Tensor Calculus and Matter Couplings in Six Dimensions*, with A. Van Proeyen and E. Sezgin, Nucl. Phys. B264 (1986) 653-686
- (11) *Superstring Actions in  $d = 3, 4, 6, 10$  Curved Superspace*, with E. Sezgin and P.K. Townsend, Phys. Lett. 169B (1986) 191-196
- (12) *Locally Supersymmetric  $\sigma$ -Model with Wess-Zumino Term in Two Dimensions and Critical Dimensions for Strings*, with S. Randjbar-Daemi, A. Salam, H. Sarmadi and E. Sezgin, Nucl. Phys. B269 (1986) 77-96
- (13) *A supersymmetric  $R^2$ -Action in Six Dimensions and Torsion*, with A. Salam and E. Sezgin, Phys. Lett. 173B (1986) 73-76
- (14) *The  $(4,0)$  Heterotic String with Wess-Zumino Term*, with E. Sezgin, Mod. Phys. Lett. A1 (1986) 191-201
- (15) *Global Anomalies in Six Dimensions*, with T.W. Kephart, A. Salam and E. Sezgin, Mod. Phys. Lett. A1 (1986) 267-276
- (16) *Supersymmetric  $R^2$ -Actions, Conformal Invariance and the Lorentz Chern-Simons Term*

- in 6 and 10 Dimensions, with A. Salam and E. Sezgin, Nucl. Phys. B279 (1987) 659-683
- (17) *Higher Derivative Super-Yang-Mills Theories*, with M. Rakowski and E. Sezgin, Phys. Lett. 185B (1987) 371-376
- (18) *(8,0) Locally Supersymmetric Sigma Models with Conformal Invariance in Two Dimensions*, with H. Nishino and E. Sezgin, Phys. Lett. 186B (1987) 167-172
- (19) *The Born-Infeld Action from Conformal Invariance of the Open Superstring*, with C.N. Pope, E. Sezgin and P.K. Townsend, Phys. Lett. 188B (1987) 70-74
- (20) *Supermembranes and Eleven-Dimensional Supergravity*, with E. Sezgin and P.K. Townsend, Phys. Lett. 189B (1987) 75-78
- (21) *An Off-Shell Superspace  $R^2$ -action in Six Dimensions*, with M. Rakowski, Phys. Lett. 191B (1987) 399-403
- (22) *Supersymmetric Supermembrane Vacua and Singletons*, with M.J. Duff, C.N. Pope and E. Sezgin, Phys. Lett. 199B (1987) 69-74
- (23) *Hamiltonian Formulation of the Supermembrane*, with E. Sezgin and Y. Tani, Nucl. Phys. B298 (1988) 187-204
- (24) *Properties of the Eleven-Dimensional Supermembrane Theory*, with E. Sezgin and P.K. Townsend, Ann. of Phys. 185 (1988) 330-368
- (25) *Open BRST algebras, Ghost Unification and String Field Theory*, with L. Baulieu and E. Sezgin, Nucl. Phys. B307 (1988) 348-364
- (26)  *$N = 8$  Supersingleton Quantum Field Theory*, with A. Salam, E. Sezgin and Y. Tani, Nucl. Phys. B305 [FS23] (1988) 497-515
- (27) *Singletons, Higher Spin Massless States and the Supermembrane*, with A. Salam, E. Sezgin and Y. Tani, Phys. Lett. 205B (1988) 237-244
- (28) *On "Spinning" Membrane Models*, with E. Sezgin and P.K. Townsend, Phys. Lett. B209 (1988) 451-456
- (29) *Supersymmetric Chern-Simons terms in Ten Dimensions*, with M. de Roo, Phys. Lett. 218B (1989) 210-215
- (30) *Compactifications of the Eleven-Dimensional Supermembrane*, with M.J. Duff, C.N. Pope and E. Sezgin, Phys. Lett. 224B (1989) 71-78
- (31) *The Spectrum of Spinning Superparticles*, with J.W. van Holten, Phys. Lett. 226B (1989) 93-99
- (32) *The Quartic Effective Action of the Heterotic String and Supersymmetry*, with M. de Roo, Nucl. Phys. B328 (1989) 439-468
- (33) *Singlets of Fermionic Gauge Symmetries*, with R.E. Kallosh and M.A. Rahmanov, Phys. Lett. 223B (1989) 391-398
- (34) *New Spacetime Superalgebras and their Kač-Moody Extension*, with E. Sezgin, Phys. Lett. 232B (1989) 96-103

- (35) *Area Preserving Diffeomorphisms and Higher-Spin Algebras*, with K. Stelle and M. Blencowe, Commun. Math. Phys. 128 (1990) 213-230
- (36) *BRST<sub>1</sub> Quantization of the Green-Schwarz Superstring*, with R.E. Kallosh, Nucl. Phys. B333 (1990) 605-634
- (37) *Unconstrained BRST for Superparticles*, with R.E. Kallosh, Phys. Lett. 240B (1990) 105-109
- (38) *Super p-Branes as Gauge Theories of Volume Preserving Diffeomorphisms*, with P.K. Townsend and E. Sezgin, Ann. of Phys. 199 (1990) 340-365
- (39)  *$w_\infty$  Gravity*, with C.N. Pope, L.J. Romans, E. Sezgin, X. Shen and K.S. Stelle, Phys. Lett. 243B (1990) 350-357
- (40) *Stress-Tensor Commutators and Schwinger Terms in Singleton Theories*, with E. Sezgin and Y. Tani, Int. Journ. Mod. Phys. A, Vol. 5, No 18 (1990) 3599-3615
- (41) *The Super  $W_\infty$  algebra*, with C.N. Pope, L.J. Romans, E. Sezgin and X. Shen, Phys. Lett. 245B (1990) 447-452
- (42)  *$W_\infty$  Gravity and Super- $W_\infty$  Gravity*, with C.N. Pope, L.J. Romans, E. Sezgin and X. Shen, Mod. Phys. Lett. A, Vol. 5, No. 24 (1990) 1957-1966
- (43) *The String Effective Action in the Dual Formulation of  $D = 10$  Supergravity*, with M. de Roo, Phys. Lett. 247B (1990) 530-536
- (44) *Duality Transformations of String Effective Actions*, with M. de Roo, Phys. Lett. 249B (1990) 27-34
- (45) *The Cohomology of the Brink-Schwarz Superparticle*, with R.E. Kallosh and A. Van Proeyen, Phys. Lett. 251B (1990) 128
- (46) *Covariant  $w_\infty$  Gravity*, with C.N. Pope and K.S. Stelle, Phys. Lett. 249B (1990) 208-215
- (47) *Ten-Dimensional Supergravity from Light-Like Integrability in Loop Superspace*, with P.S. Howe, C.N. Pope, E. Sezgin and E. Sokatchev, Nucl. Phys. B354 (1991) 113-128
- (48) *W-Symmetries: Gauging and Geometry*, with A. Bilal and K.S. Stelle, Mod. Phys. Lett. A6, No. 28 (1991) 4959-4983
- (49) *The Super- $W_\infty(\lambda)$  Algebra*, with B. de Wit and M. Vasiliev, Phys. Lett 256B (1991) 199-205
- (50) *Light-like Integrability in Loop Superspace, Kac-Moody Central Charges and Chern-Simons Terms*, with F. Delduc and E. Sokatchev, Phys. Lett. 262B (1991) 444-450
- (51) *The Structure of the Super- $W_\infty(\lambda)$  Algebra*, with B. de Wit and M. Vasiliev, Nucl.Phys. B366 (1991) 315-346
- (52) *Quantisation Deforms  $w_\infty$  into  $W_\infty$  Gravity*, with P.S. Howe, C.N. Pope, E. Sezgin, X. Shen and K.S. Stelle, Nucl. Phys. B363 (1991) 163-184
- (53) *Nonlinear Super-W Algebras at Fixed Central Charge*, Phys. Lett. 272B (1991) 290-296

- (54) *Superparticle Actions and Gauge Fixings*, with R.E. Kallosh and A. Van Proeyen, *Class. Quantum Grav.* 9 (1992) 321-360
- (55)  *$N = 2$   $w_\infty$  Supergravity*, with M. de Roo, *Phys. Lett.* 278B (1992) 72-78
- (56) *Spacetime Scale-Invariance and the Super  $p$ -Brane*, with L.A.J. London and P.K. Townsend, *Class. Quantum Grav.* 9 (1992) 2545-2556
- (57) *Self-Dual Supergravity Theories in  $2 + 2$  Dimensions*, with E. Sezgin, *Phys. Lett.* B292 (1992) 87-92
- (58) *Realisations of  $W_3$  Symmetry*, with H.J. Boonstra and M. de Roo, *Phys. Lett.* B292 (1992) 307-314
- (59) *A Derivation of the BRST Operator for Non-Critical  $W$ -strings*, with A. Sevrin and X. Shen, *Phys. Lett.* B296 (1992) 95-103
- (60)  *$N = 2$   $W$  Supergravity*, with M. de Roo, *Int. Journal of Mod. Phys. A*, Vol. 8, No. 2 (1993) 237-276
- (61)  *$U(1)$ -Extended Gauge Algebras in  $p$ -Loop Space*, with R. Percacci, E. Sezgin, K.S. Stelle and P.K. Townsend, *Nucl. Phys.* B398 (1993) 343-358
- (62) *Supersymmetric String Waves*, with R. Kallosh and T. Ortín, *Phys. Rev.* D47 (1993) 5444-5452
- (63) *On the BRST Operator of  $W$ -Strings*, with H.J. Boonstra, S. Panda, M. de Roo and A. Sevrin, *Phys. Lett.* 308B (1993) 34-41
- (64) *A BRST Analysis of  $W$ -symmetries*, with H.J. Boonstra, S. Panda and M. de Roo, *Nucl. Phys.* B411 (1994) 717-744
- (65) *Twistor-like Formulation of Super- $p$ -Branes*, with E. Sezgin, *Nucl. Phys.* B422 (1994) 329-345
- (66) *On the Cohomology of the Noncritical  $W$ -String*, with J. de Boer, M. de Roo and T. Tjin, *Nucl. Phys.* B420 (1994) 379-408
- (67) *Exact Duality in String Effective Action*, with I. Entrop and R. Kallosh, *Phys. Rev.* D49 (1994) 6663-6673
- (68) *Black-Hole-Wave Duality in String Theory*, with R. Kallosh and T. Ortín, *Phys. Rev.* D50 (1994) 5188-5192
- (69) *On Realizing the Bosonic string as a Noncritical  $W_3$ -string*, with H.J. Boonstra and M. de Roo, *Phys. Lett.* B346 (1995) 269-274
- (70) *Duality versus Supersymmetry and Compactification*, with R. Kallosh and T. Ortín, *Phys. Rev.* D51 (1995) 3009-3016
- (71) *The Calogero Model and the Virasoro Symmetry*, with M. Vasiliev, *Int. J. Mod. Physics A*, Vol. 10, No. 24 (1995) 3477-3496
- (72) *Super  $p$ -Brane Theories and New Spacetime Superalgebras*, with E. Sezgin, *Phys. Lett.* B354 (1995) 256-263

- (73) *Duality in the Type-II Superstring Effective Action*, with C.M. Hull and T. Ortín, Nucl. Phys. B451 (1995) 547-575
- (74) *Solution-generating Transformations and the String Effective Action*, with B. Janssen and T. Ortín, Class. Quantum Grav. 13 (1996) 321-343
- (75) *S-duality and Dyonically  $p$ -Brane Solutions in Type II String Theory*, with H.J. Boonstra and T. Ortín, Phys. Rev. D53 (1996) 7206-7212
- (76) *D-branes and T-duality*, with M. de Roo, Phys. Lett. B380 (1996) 265-272
- (77) *Type II Duality Symmetries in Six Dimensions*, with K. Behrndt and B. Janssen, Nucl. Phys. B467 (1996) 100-126
- (78) *Duality of Type II 7-branes and 8-branes*, with M. de Roo, M. Green, G. Papadopoulos and P.K. Townsend, Nucl. Phys. B470 (1996) 113-135
- (79) *Stationary Axion/Dilaton Solutions and Supersymmetry*, with R. Kallosh and T. Ortín, Nucl. Phys. B478 (1996) 156-180
- (80) *Intersecting D-branes and Black Hole Entropy*, with K. Behrndt, Phys. Lett. B383 (1996) 383
- (81) *Couplings of Self-Dual Tensor Multiplet in Six Dimensions*, with E. Sezgin and E. Sokatchev, Class. Quantum Grav. 13 (1996) 2875-2886
- (82) *The Eleven-Dimensional Five-Brane*, with M. de Roo and T. Ortín, Phys. Lett. B386 (1996) 85
- (83) *Four-Dimensional High-Branes as Intersecting D-Branes*, with S. Panda and M. de Roo, Phys. Lett. B390 (1997) 143-147
- (84) *Intersecting D-Branes in Ten and Six Dimensions*, with K. Behrndt and B. Janssen, Phys. Rev. D55 (1997) 3785-3792
- (85) *Super D-Branes*, with P. Townsend, Nucl. Phys. B490 (1997) 145-162
- (86) *Multiple Intersections of D-Branes and M-Branes*, with E. Eyras, B. Janssen, M. de Roo and J.P. van der Schaar, Nucl. Phys. B494 (1997) 119-143
- (87) *Intersections Involving Monopoles and Waves in Eleven Dimensions*, with E. Eyras, B. Janssen, M. de Roo and J.P. van der Schaar, Class. & Quantum Gravity, Vol. 14, No. 10 (1997), 2757-2769
- (88) *Massive IIA Supergravity from the Topologically Massive D-2-brane*, with P.K. Townsend and P.M. Cowdall, Phys. Lett. B410 (1997), 13-21
- (89) *Kaluza-Klein Monopoles and Gauged Sigma Models*, with B. Janssen and T. Ortín, Phys. Lett. B410 (1997) 132-141
- (90)  $\kappa$ -symmetry, *Supersymmetry and Intersecting Branes*, with R. Kallosh, T. Ortín and G. Papadopoulos, Nucl. Phys. B502 (1997) 149-169
- (91) *Gauged Supergravity from Dimensional Reduction*, with M. de Roo and E. Eyras, Phys. Lett. B413 (1997) 70-78

- (92) *M-brane Intersections from Worldvolume Superalgebras*, with J. Gomis and P.K. Townsend, Phys. Lett. B421 (1998) 109-118
- (93) *Massive Branes*, with Y. Lozano and T. Ortín, Nucl. Phys. B518 (1998) 363-423
- (94) *The Massive Kaluza-Klein Monopole*, with E. Eyras, B. Janssen and Y. Lozano, Phys. Lett. B430 (1998) 77-86
- (95) *D-Instantons and Asymptotic Geometries*, with K. Behrndt, Class. & Quantum Gravity 15 (1998) 1801-1813
- (96) *Domain Walls on the Brane*, with G. Papadopoulos and J.P. van der Schaar, Phys. Lett. B430 (1998) 63-70
- (97) *Super-D-branes revisited*, with P.K. Townsend, Nucl. Phys. B531 (1998) 226-238
- (98) *The M5-Brane Hamiltonian*, with D. Sorokin and P.K. Townsend, Nucl. Phys. B533 (1998) 303-316
- (99) *On M-9-Branes*, with J.P. van der Schaar, Class. & Quantum Grav. 16 (1999) 23-39
- (100) *The Super D9-Brane and its Truncations*, with B. Janssen, T. Ortín and M. de Roo, Nucl. Phys. B550 (1999) 289-302
- (101) *Solitons on the Supermembrane*, with P.K. Townsend, JHEP 9905 (1999) 021
- (102) *(2,0) Tensor Multiplets and Conformal Supergravity in D=6*, with A. Van Proeyen and E. Sezgin, Class. Quantum Grav. 16 (1999) 3193-3206
- (103) *On Domain-Wall/QFT Dualities in Various Dimensions*, with K. Behrndt, R. Halbersma and J.P. van der Schaar, Class. & Quantum Grav. 16 (1999) 3517-3552
- (104) *Space-Time Filling Branes and Strings with Sixteen Supercharges*, with E. Eyras, R. Halbersma, C.M. Hull, Y. Lozano and J.P. van der Schaar, Nucl. Phys. B564 (2000) 29-59
- (105) *T-duality and Actions for Non-BPS D-branes*, with M. de Roo, T.C. de Wit, E. Eyras and S. Panda, JHEP 0005 (2000) 009
- (106) *The Many Faces of  $OSp(1|32)$* , with A. Van Proeyen, Class. Quantum Gravity 17 (2000) 3277-3303
- (107) *A Noncommutative M-theory Five-brane*, with D. Berman, J.P. van der Schaar and P. Sundell, Nucl. Phys. B590 (2000) 173-197
- (108) *Critical Fields on the M5-brane and Noncommutative Open Strings*, with D. Berman, J.P. van der Schaar and P. Sundell, Phys. Lett. B492 (2000) 193-200
- (109) *Supersymmetry in Singular Spaces*, with R. Kallosh and A. Van Proeyen, JHEP 0010 (2000) 033
- (110) *M-Brane Interpolations and (2,0) RG Flow*, with R.-G. Cai, N. Ohta and P. Townsend, Phys. Lett. B495 (2000) 201-206
- (111) *Non-Abelian Born-Infeld Actions and Kappa-Symmetry*, with M. de Roo and A. Sevrin, Journ. of Math. Phys., Vol. 42, No. 7 (2001), 2872-2888

- (112) *Weyl Multiplets of  $N = 2$  Conformal Supergravity in Five Dimensions*, with S. Cucu, M. Derix, T. de Wit, R. Halbersma and A. Van Proeyen, JHEP 0106 (2001) 051
- (113) *Supersymmetric Non-abelian Born-Infeld Revisited*, with A. Bilal, M. de Roo and A. Sevrin, JHEP 0107 (2001) 029
- (114) *New Formulations of  $D = 10$  Supersymmetry and  $D8-O8$  Domain Walls*, with R. Kallosh, T. Ortín, D. Roest and A. Van Proeyen, Class. Quantum Grav. 17 (2001) 3359-3382
- (115) *Reduction of Open Membrane Moduli*, with J.P. van der Schaar, JHEP 0202 (2002) 019
- (116) *Massive Dualities in Six Dimensions*, with K. Behrndt, D. Roest and P. Sundell, Class. Quantum Grav. 19 8 (2002) 2177-2200
- (117) *Type IIB Seven-brane Solutions from Nine-dimensional Domain Walls*, with U. Gran and D. Roest, Class. Quant. Grav. 19 (2002) 4207-4226
- (118) *(Non-)abelian Gauged Supergravities in Nine Dimensions*, with U. Gran, R. Linares, D. Roest and T. de Wit, JHEP 0210 (2002) 061
- (119) *Superconformal  $N=2$ ,  $D=5$  Matter with and without Actions*, with S. Cucu, J. Gheerardyn, R. Halbersma, A. Van Proeyen, S. Vandoren and T. de Wit, JHEP 0210 (2002) 045
- (120) *Domain Walls of  $D=8$  Gauged Supergravity and their  $D=11$  Origin*, with N. Alonso-Alberca, U. Gran, R. Linares, T. Ortín and D. Roest, JHEP 06 (2003) 038
- (121) *Domain Walls and the Creation of Strings*, with U. Gran, R. Linares, M. Nielsen and D. Roest, Class. Quant. Grav. 20 (2003) 3465-3482
- (122) *The Bianchi Classification of Maximal  $D=8$  Gauged Supergravities*, with U. Gran, R. Linares, T. Ortín and D. Roest, Class. Quant. Grav. (20) (2003) 3997-4014
- (123) *Transient Quintessence from Group Manifold Reductions or How all Roads lead to Rome*, with A. Collinucci, U. Gran, M. Nielsen and D. Roest, Class. Quant. Grav. 21 (2004) 1947-1970
- (124)  *$N=2$  Supergravity in Five Dimensions Revisited*, with S. Cucu, T. de Wit, J. Gheerardyn, A. Van Proeyen and S. Vandoren, Class. Quant. Grav. 21 (2004) 3015-3042
- (125) *The Domain Walls of Gauged Maximal Supergravities and their  $M$ -theory Origin*, with M. Nielsen and D. Roest, JHEP 0407 (2004) 006
- (126) *Non-extremal  $D$ -instantons*, with A. Collinucci, U. Gran, D. Roest and S. Vandoren, JHEP 0410 (2004) 031
- (127) *Cosmological  $D$ -instantons and Cyclic Universes*, with A. Collinucci, D. Roest, J. Russo and P.K. Townsend, Class. Quantum Grav. 22 (2005) 2635-2652
- (128) *IIB Supergravity Revisited*, with M. de Roo, S. Kerstan and F. Riccioni, JHEP 0508 (2005) 098
- (129) *An Index for the Dirac Operator on  $D3$  Brane with Background Fluxes*, with R. Kallosh, A. K.-Poor, D. Sorokin and A. Tomasiello, JHEP 0510 (2005) 102

- (130) *Classical Resolution of Cosmological Singularities in Dilaton Cosmology*, with A. Collinucci, D. Roest, J. Russo and P.K. Townsend, *Class. Quant. Grav.* 22 (2005) 4763-4782
- (131) *Non-extremal D-instantons and the AdS/CFT Correspondence*, with T. Van Riet, A. Collinucci, A. Ploegh and S. Vandoren, *JHEP01* (2006) 061
- (132) *Noncompact Gaugings, Chiral Reduction and Dual Sigma Models in Supergravity*, with E. Sezgin and D.C. Jong, *Class. Quant. Grav.* 23 (2006) 2803-2832
- (133) *The Map between Conformal Hypercomplex/Hyperkähler and Quaternionic(-Kähler) Geometry*, with J. Gheerardyn, A. Van Proeyen and S. Vandoren, *Commun. Math. Phys.* 262 (2006) 411-457
- (134) *IIA Ten-forms and the Gauge Algebras of Maximal Supergravity Theories*, with M. de Roo, S. Kerstan, T. Ortín and F. Riccioni, *JHEP* 07 (2006) 018
- (135) *IIB Nine-branes*, with M. de Roo, S. Kerstan, T. Ortín and F. Riccioni, *JHEP* 0606 (2006) 006
- (136) *Open M5-branes*, with G. Gibbons and P.K. Townsend, *Phys. Rev. Lett.* 97, 231601 (2006)
- (137) *Seven-branes and Supersymmetry*, with J. Hartong, D. Roest and T. Ortín, *JHEP* 0702 (2007) 003
- (138)  *$SL(2,R)$ -invariant IIB Branes Actions*, with M. de Roo, S. Kerstan, T. Ortín and F. Riccioni, *JHEP* 0702 (2007) 007
- (139) *Pseudo-supersymmetry and a Tale of Alternate Realities*, with D. Van den Bleeken, J. Hartong, A. Ploegh and J. Rosseel, *JHEP07* (2007) 067
- (140)  *$E_{11}$  and the Embedding Tensor*, with T. Nutma and I. de Baetselier, *JHEP09* (2007) 047
- (141) *Kappa-symmetric  $SL(2, R)$ -invariant D-brane Actions*, with P.S. Howe, S. Kerstan and L. Wulff, *JHEP* 10 (2007) 050
- (142) *Q7-branes and their Coupling to IIB Supergravity*, with J. Hartong and D. Sorokin, *JHEP* 12 (2007) 079
- (143) *Kac-Moody Spectrum of (Half-)Maximal Supergravities*, with J. Gomis, T. Nutma and D. Roest, *JHEP* 0802 (2008) 069
- (144) *The Gaugings of Maximal  $D=6$  Supergravity*, with E. Sezgin and H. Samtleben, *JHEP* 03 (2008) 068
- (145) *Multiple M2-branes and the Embedding Tensor*, with O. Hohm and M. de Roo, *Class. Quant. Grav.* 25, 142001 (2008)
- (146) *A Note on  $E_{11}$  and Three-dimensional Gauged Supergravity*, with O. Hohm and T. Nutma, *JHEP* 0805, 081 (2008)
- (147) *Q-Instantons*, with J. Hartong, A. Ploegh and D. Sorokin, *JHEP* 0806, 028 (2008)
- (148) *Stringy Cosmic Strings in matter coupled  $N=2, d=4$  Supergravity*, with J. Hartong, M. Hübscher and T. Ortín, *JHEP* 0805, 033 (2008)



- (149) *Dual Gravity and Matter*, with A. Kleinschmidt, M. de Roo, S. Kerstan and F. Riccioni, *Gen. Relativ. Gravit.* DOI 10.1007/s10714-008-0650-4, zie <http://www.springerlink.com/content/x14275k248t03347/>
- (150) *Multiple Membranes from Gauged Supergravity*, with M. de Roo, O. Hohm and D. Roest, *JHEP* 0808: 091, (2008)
- (151) *The Superconformal Gaugings in Three dimensions*, with O. Hohm, D. Roest, H. Samtleben and E. Sezgin, *JHEP* 0809 (2008) 101
- (152) *A Topologically Massive Gauge Theory with 32 Supercharges*, with O. Hohm, *Phys. Rev. D* 78: 125017 (2008)
- (153) *Dual Gravity and Matter*, with A. Kleinschmidt, M. de Roo, S. Kerstan en F. Riccioni, *General Relativity and Gravitation: Volume 41, Issue 1* (2009) 39, see also <http://www.springerlink.com/content/x14275k248t03347/>
- (154) *E<sub>10</sub> and Gauged Maximal Supergravity*, with O. Hohm, A. Kleinschmidt, H. Nicolai, T. Nutma and J. Palmkvist, *JHEP* 0901 (2009) 020
- (155) *Generating Geodesic Flows and Supergravity Solutions*, with W. Chemissaney, A. Ploegh, T. Van Riet and M. Trigiante, *Nucl. Phys. B* 812 (2009) 343

## B. PROCEEDINGS

- (1) *Extended Conformal Supergravity and its Applications*, with M. de Roo, J.W. van Holten, B. de Wit and A. Van Proeyen, proceedings *Workshop on Superspace and Supergravity*, eds. S.W. Hawking and M. Roček (Cambridge University Press, 1981) 237-256
- (2) *Critical Dimensions for Strings in a Curved Background*, with H. Sarmadi and E. Sezgin, Proceedings *Workshop on Supersymmetry and its Applications: Superstrings, Anomalies and Supergravity*, eds. G.W. Gibbons, S.W. Hawking and P.K. Townsend (Cambridge University Press, 1986) 185-203
- (3) *Superconformal Invariance and the Tensor Multiplet in Six Dimensions*, Proceedings *First Torino Meeting on Superunification and Extra Dimensions*, eds. R. D'Auria and P. Fré (World Scientific, 1986) 126-137
- (4) *Fermionic Gauge Symmetries*, with R.E. Kallosh, proceedings *1989 Texas A&M String Workshop*, eds. R.A. Arnowitt, R. Bryan, M.J. Duff, D.V. Nanopoulos and C.N. Pope (World Scientific, 1990) 137-150
- (5) *The Quartic Effective Action of the Heterotic String*, with M. de Roo, proceedings *1989 Summer School in High Energy Physics and Cosmology*, eds. J.C. Pati, S. Randjbar-Daemi, E. Sezgin and Q. Shafi (World-Scientific, 1990) 209-218
- (6) *On the Covariant BRST Quantization of Gauge Theories, including Supermembranes*, with R.E. Kallosh, proceedings Trieste conference *Supermembranes and Physics in 2+1*

*Dimensions*, eds. M.J. Duff, C.N. Pope and E. Sezgin (World Scientific, 1990) 136-149

- (7) *Super-W Algebras*, proceedings Trieste workshop *Superstrings and Related Topics* (World Scientific, 1992) 1007-1017
- (8) *Extended Conformal Symmetries*, proceedings *XXVIII Karpacz Winter School of Theoretical Physics*, Karpacz 1992, *Journal of Geometry and Physics* 11 (1993) 205-223
- (9) *Supersymmetric String Waves*, proceedings of the *Journées Relativistes '93*, *Int. Journal Mod. Physics D*, Vol. 3, No. 1 (1994) 149-152
- (10) *Noncritical W-strings and Minimal Models*, proceedings *III International Conference on Mathematical Physics, String Theory and Quantum Gravity*, *Teor. Mat. Fiz.* v.98 (1994) 343-357.
- (11) *Duality and the String Effective Action*, proceedings *XXVIII International Symposium Ahrenshoop on the Theory of Elementary Particles*, 29-39, DESY–publication 95-027
- (12) *Duality Symmetries and the Type II String Effective Action*, proceedings Trieste conference *S–duality and Mirror Symmetry*, *Nucl. Phys. B (Proc. Suppl.)* 46 (1996) 39-48
- (13) *Exact Duality in String Effective Action*, proceedings of the *Seventh Marcel Grossmann Meeting on General Relativity* (Stanford, 1994), edited by R.T. Jantzen and G.M. Keiser (Series Editor R. Ruffini), (World Scientific 1996), part A, 751-752
- (14) *T–Duality and the Type–II Superstring*, proceedings of *Strings '95: Future Perspectives in String Theory* (World Scientific, Singapore, 1996) 21-22
- (15) *p–Brane and D–Brane Actions*, proceedings of the *Second International A.D. Sakharov Conference on Physics*, edited by I.M. Dremin and A.M. Semikhatov, (World Scientific, Singapore, 1997) 364-367
- (16) *p–Branes, D–Branes and M–Branes*, proceedings of the *Workshop on Gauge Theories, Applied Supersymmetry and Quantum Gravity II*, Imperial College Press (1997) 210-217 and electronic proceedings of the conference *Strings '96: "Current Trends in String Theory"*, <http://www.itp.ucsb.edu/~joep/speakers.html>
- (17) *Properties of p-Branes, D-Branes and M-Branes*, proceedings of the *33d Karpacz Winter School of Theoretical Physics on Duality–Strings & Branes*, Karpacz, Poland, 13-22 February 1997, *Nucl. Phys. B (Proc. Suppl.)* 61A (1998) 75-85
- (18) *Kaluza-Klein Monopoles and Gauged Sigma Models*, proceedings of *Strings '97*, edited by F.A. Bais, E.A. Bergshoeff, B. de Wit, R. Dijkgraaf, A.N. Schellekens, E.P. Verlinde and H.L. Verlinde, *Nucl. Phys. B (Proc. Suppl.)* 68 (1998) 355-366
- (19) *Super D–branes*, Volkov Memorial Volume “Supersymmetry and Quantum Field Theory”, Springer Verlag “Lecture Notes in Physics”, Volume 509 (1998) 42-48
- (20) *Massive Branes and Creation of Branes*, proceedings of the *31<sup>st</sup> International Symposium on the Theory of Elementary Particles*, September 2-6, 1997, Buckow/Germany, Wiley-VCH (Berlin, 1998), 40-45
- (21) *Domain Walls and Space-Time Filling Branes*, proceedings of the Dubna International

Seminar *Supersymmetries and Quantum Symmetries*, July 1997, in memoriam of Prof. Victor I. Ogievetsky, Lecture Notes in Physics (Springer Verlag, 1999), 155-163

- (22) *Massive Branes*, proceedings of the Trieste Conference on Super Five Branes and Physics in 5+1 Dimensions, *Nonperturbative aspects of strings, branes and supersymmetry*, (World Scientific, 1999), 254-263
- (23) *Spacetime-Filling Branes and Strings with Sixteen Supercharges*, Fortschr. Phys. 48 (2000) 1-3, 25-29, proceedings of the *32th International Symposium on the Theory of Elementary particles*, September 1-5, 1998, Buckow, Germany
- (24) *Solitons and Extended Objects*, proceedings of the XIV international workshop *High Energy Physics and Quantum Field Theory (QFTHEP'99)*, Moscow, Russia, Eds. B.B. Levcenko and V.I. Savrin, Moscow State University Press (2000), ISBN -5-88800-080-9, 351-357
- (25) *On Domain-Wall/QFT Dualities in Various Dimensions*, with R. Halbersma, proceedings of the JINR workshop *Supersymmetries and Quantum Symmetries (SQS-99)*, Dubna, Russia, Joint Institute for Nuclear Research, Dubna (2000), Eds. E. Ivanov, S. Krivonos and A. Pashnev, ISBN 5-85165-557-7, 38-47
- (26) *Solitons and Extended Objects*, proceedings of the *XIV Max Born Symposium: New Symmetries and Integrable Systems*, Karpacz (Poland), Eds. A. Frydryszak, J. Lukierski and Z. Popowicz, World Scientific (2000), ISBN 981-02-4270-0, 119-130
- (27) *On the Supersymmetric Non-abelian Born-Infeld Action*, with M. de Roo and A. Sevrin, proceedings of the EC-RTN workshop *The Quantum Structure of Spacetime and the Geometrical Nature of Fundamental Interactions*, 4-10 October 2000, Berlin, Fortschr. Phys. 49 (2001) 433-440
- (28) *Supersymmetry of RS Bulk and Brane*, with R. Kallosh and A. Van Proeyen, proceedings of the EC-RTN workshop *The Quantum Structure of Spacetime and the Geometrical Nature of Fundamental Interactions*, 4-10 October 2000, Berlin, Fortschr. Phys. 49 (2001) 625-632
- (29) *Towards a Supersymmetric Non-Abelian Born-Infeld Theory*, with M. de Roo and A. Sevrin, proceedings of the *Strings 2000* conference, 10-15 July, Ann Arbor, USA, Int. J. Mod. Phys. A16 (2001) 750-758; Eds. M.J. Duff, J.T. Liu and J. Lu (World Scientific, 2001), 110-118
- (30) *Supersymmetry of RS Bulk and Brane*, with R. Kallosh and A. Van Proeyen, Fortsch.Phys. 49 (2001) 625-632, proceedings of the NATO Advanced Research Workshop *Noncommutative Structures in Mathematics and Physics*, Kiev, Ukraine, September 24-28, 2000, editors S. Duplij (Kluwer Academic Publishers, Dordrecht), ISBN 0-7923-6998-X, May 2001, 49-59
- (31) *Symmetries of String, M and F-Theories*, with A. Van Proeyen, proceedings of the second Gürsey Memorial Conference *M-Theory and Dualities*, June 2000, Istanbul, Turkey, Class. Quantum Gravity 18, No. 16 (2001), 3083-3094
- (32) *The M5-Brane and Noncommutative Loop Space*, with D. Berman, J.P. van der Schaar and P. Sundell, proceedings of the second Gürsey Memorial Conference *M-Theory and Dualities*, June 2000, Istanbul, Turkey, Class. Quantum Gravity 18, No. 16 (2001), 3083-

- (33) *The M5 Brane and Noncommutative Open Strings*, with D. Berman, J.P. van der Schaar and P. Sundell, proceedings of the second Gürsey Memorial Conference *M-Theory and Dualities*, June 2000, Istanbul, Turkey, *Class. Quantum Gravity* 18, No. 16 (2001), 3083-3094
- (34) *On the Supersymmetric Non-Abelian Born-Infeld Action*, with M. de Roo and A. Sevrin, proceedings of the international conference *Supersymmetry and Quantum Field Theory*, dedicated to the 75th birthday of Professor Dmitriy Volkov, 25-29 July, Kharkov, Ukraine, *Nucl. Phys. B (Proc. Suppl.)* 102& 103 (2001) 50-55
- (35) *Brane plus Bulk Supersymmetry in Ten Dimensions*, A.I.P. Conference Proceedings, Vol. 589 (2001), ISBN 0-7354-0029-6, editors J. Lukierski and J. Rembieliński, proceedings of the XXXVII Karpacz Winter School of Theoretical Physics *New Developments in Fundamental Interactions Theories*, Karpacz, February 2001, 31-45
- (36) *Non-Abelian Born-Infeld and Kappa-Symmetry*, with M. de Roo and A. Sevrin, proceedings of the ninth Marcell Grossmann meeting on *Recent Developments in Theoretical and Experimental General Relativity, Gravitation and Relativistic Field Theories*, 2-8 July, Rome, Italy, Eds. Vahe G. Gurzadyan, Robert T. Jantzen and Remo Ruffini, World Scientific Publishing (2002), ISBN 981-238-010-8, 1170
- (37) *The Unifying Superalgebra  $OSP(1|32)$* , with A. Van Proeyen, proceedings of the international conference *Quantization, Gauge Theories and Strings*, in remembrance to Professor Efim Fradkin, June 2000, Moscow, Russia (Scientific World 2001), ISBN 5-89176-125-4, 48-59
- (38) *The M5-Brane and Noncommutative Loop Space*, with D. Berman, J.P. van der Schaar and P. Sundell, proceedings of the international conference *Quantization, Gauge Theories and Strings*, in remembrance to Professor Efim Fradkin, June 2000, Moscow, Russia (Scientific World 2001), ISBN 5-89176-125-4, 219-230
- (39) *The M5 Brane and Noncommutative Open Strings*, with D. Berman, J.P. van der Schaar and P. Sundell, proceedings of the international conference *Quantization, Gauge Theories and Strings*, in remembrance to Professor Efim Fradkin, June 2000, Moscow, Russia (Scientific World 2001), ISBN 5-89176-125-4, 231-236
- (40) *Supersymmetry in Singular Spaces*, proceedings workshop of the RTN programme *The Quantum Structure of Spacetime and the Geometric Nature of Fundamental Interactions*, Corfu, September 2001, *Fortschr. Physik* 50 (2002) 8-9, 755-782
- (41) *The Mathematical Formulation of the M5-brane*, proceedings of the *Workshop on Special Geometric Structures in String Theory*, Mathematisches Institut, Universität Bonn, Germany, September 2001, eds. Dmitri V. Alekseevsky, Vicente Cortés, Chandrashekar Devchand and Antoine Van Proeyen,  
<http://www.emis.de/proceedings/SGSST2001/proc2001.html>
- (42) *(Non-)abelian Gauged Supergravities in Nine Dimensions*, with T. de Wit, U. Gran, R. Linares and D. Roest, proceedings of the *31st International Conference on High Energy*

*Physics ICHEP 2002*, eds. S. Bentvelsen, P. de Jong, J. Koch and E. Laenen, July 2002, Amsterdam, Elsevier Science BV (2003), 855-860

- (43) *(Non-)abelian Gauged Supergravities in Nine Dimensions*, with T. de Wit, U. Gran, R. Linares and D. Roest, proceedings of the workshop *The Quantum Structure of Spacetime and the Geometrical Nature of Fundamental Interactions*, September 2002, Leuven, Belgium, *Class. Quantum Grav.* 20 (2003) S425-S431
- (44) *Type IIB 7-Brane Solutions from Nine-dimensional Domain Walls*, with U. Gran and D. Roest, Cargèse school 2002, L. Baulieu et al. (eds.), *Progress in String, Field and Particle Theory*, 397-400, Kluwer Academic Publishers (2003)
- (45) *(Non-)abelian Gauged Supergravities in Nine Dimensions*, with T. de Wit, U. Gran, R. Linares and D. Roest, proceedings of the *Third International Sakharov Conference on Physics*, June 2002, Moscow, Russia
- (46) *(Non-)abelian Gauged Supergravities in Nine Dimensions*, with T. de Wit, U. Gran, R. Linares and D. Roest, proceedings of the XXV International Workshop of the Fundamental Problems of High Energy Physics and Field Theory *Geometrical and Topological ideas in Modern Physics*, June 2002, Protvino, Russia
- (47) *The Bianchi Classification of Maximal D=8 Gauged Supergravities*, with U. Gran, R. Linares, M. Nielsen, T. Ortín and D. Roest, proceedings of the 36th International Symposium Ahrenshoop on the Theory of Elementary Particles *Recent Developments in String/M-theory and Field Theory*, Berlin, August 2003, *Fortschr. Phys.* 52, No. 6-7, 472-476 (2004)
- (48) *Gauged Supergravities from Bianchi's Group Manifolds*, with U. Gran, R. Linares, M. Nielsen, T. Ortín and D. Roest, proceedings of the RTN workshop *The Quantum Structure of Spacetime and the Geometric Nature of Fundamental Interactions*, September 2003, Copenhagen, Denmark, *Classical and Quantum Gravity*, volume 21, issue 10 (2004), S1501 - S1507
- (49) *The Bianchi Classification of Maximal D=8 Gauged Supergravities*, with U. Gran, R. Linares, M. Nielsen, T. Ortín and D. Roest, proceedings of the international workshop *Supersymmetries and Quantum Symmetries (SQS-03)*, July 2003, Dubna, Russia, (Dubna, JINR) ISBN 5-9530-0042-1, 43-53
- (50) *Non-extremal instantons and wormholes in string theory*, with A. Collinucci, U. Gran, D. Roest and S. Vandoren, proceedings of the RTN workshop *The Quantum Structure of Spacetime and the Geometric Nature of Fundamental Interactions*, Kolymbari, Crete (Greece), 5-10 September, 2004, *Fortschr. Phys.* 53, No. 7-8, 990-996 (2005)/ DOI 10.1002/prop.200410227
- (51) *Supergravity, gaugings and Domain Walls*, with M. Nielsen and D. Roest, proceedings of the *12th International Conference on Supersymmetry and Unification of Fundamental Interactions, SUSY 2004*, Tsukuba, Japan, June 2004, see the internet-page [www-conf.kek.jp/susy04/plenary\\_proceedings/0620/M.Nielsen/susy2004.pdf](http://www-conf.kek.jp/susy04/plenary_proceedings/0620/M.Nielsen/susy2004.pdf)
- (52) *Brane Solutions of Gravity-dilaton-axion Systems*, with A. Collinucci, U. Gran, D. Roest

and S. Vandoren, proceedings of the *XIVth Max Born Symposium*, Wroclaw, Poland, 28-30 September, 2004, eds. J. Lukierski and D. Sorokin, AIP conference proceedings (2005) 767, 223-242, ISBN 0-7354-0252-3

- (53) *Ten-dimensional Supergravity Revisited*, with M. de Roo, S. Kerstan and F. Riccioni, proceedings of the XVIII Spanish Relativity Meeting ERE 2005 *A Century of Relativity Physics*, Oviedo (Spain), September 2005, eds. L. Mornas and J. Diaz Alonso, AIP Conference Proceedings, Volume 841 (2006), 255 - 262, ISBN 0-7354-0333-3
- (54) *The Dirac Operator on Branes with Fluxes and Super-Potential Generation*, with R. Kallosh, A.-K. Kashani-Poor, D. Sorokin and A. Tomassielo, proceedings of the SQS'05 conference *Supersymmetries and Quantum Symmetries*, Dubna (Russia), July 2005, Joint Institute for Nuclear Research (2006) ISBN 5-9530-0110-X (2006), 17 - 25
- (55) *Ten-dimensional Supergravity Revisited*, with M. de Roo, S. Kerstan, T. Ortín and F. Riccioni, proceedings of the SQS'05 conference *Supersymmetries and Quantum Symmetries*, Dubna (Russia), July 2005, Joint Institute for Nuclear Research (2006), ISBN 5-9530-0110-X (2006), 26 - 35
- (56) *The Identification of Conformal Hypercomplex and Quaternionic Manifolds*, with S. Vandoren and A. Van Proeyen, IJGMMP Vol. 3, Nos. 5 & 6 (2006) 1 - 20, proceedings of the conference *Symmetry in Geometry and Physics*, in honour of Dmitri Alekseevsky, Rome (Italy), September 2005
- (57) *The Dirac operator on Branes with Fluxes and Super-Potential Generation*, with R. Kallosh, A.-K. Kashani-Poor, D. Sorokin and A. Tomassielo, proceedings of the network meeting *Constituents, Fundamental Forces and Symmetries of the Universe*, Corfu (Greece), September 2005, Journal of Physics: Conference Series, volume 53 (2006)
- (58) *Evidence for New Seven-branes*, with J. Hartong, T. Ortín and D. Roest, proceedings of the 2nd Workshop and Midterm Meeting of the RTN network *Constituents, Fundamental Forces and Symmetries of the Universe*, Naples (Italy), October 2006, Fortschr. Phys. 55, No. 5-7, 661-665 (2007)
- (59) *IIB Seven-branes Revisited*, with J. Hartong, T. Ortín and D. Roest, proceedings of the *XXIXth Spanish Relativity Meeting (ERE 2006): Einstein's Legacy: From the Theoretical Paradise to Astrophysical Observations*, Mallorca (Spain), September 2006, Journal of Physics: Conference Series 66 (2007) 012054
- (60) *Brane solutions of Gravity-dilaton-axion systems*, with A. Collinucci, U. Gran, D. Roest and S. Vandoren, proceedings of the 28th edition of the *Spanish Relativity Meeting (ERE2004)*, eds. N. Alonso-Alberca, E. Álvarez, Tomás Ortín and M. Vázquez-Mozo, 2007 Ediciones de la Universidad Autónoma de Madrid, 23-25 September, 2004, Miraflores (Spain), 25-34
- (61) *The Symmetries of M-theory*, with M. de Roo, S. Kerstan, A. Kleinschmidt and F. Riccioni, proceedings of the *XV International Workshop on Geometry and Physics*, Puerto de la Cruz, Tenerife, Canary Islands, September 2006, Publ. de la RSME, Vol. 10 (2007) 45-56

- (62) *Q-branes in type IIB Supergravity*, with J. Hartong and D. Sorokin, proceedings of the 3<sup>d</sup> RTN workshop *Constituents, Fundamental Forces and Symmetries of the Universe*, Valencia (Spain) Fortschr. Phys. 56, No. 7-9, 809 (2008)
- (63) *Geodesic Flows in Cosmology*, with W. Chemissany, A. Ploegh and T. Van Riet, proceedings of the 2007 *Europhysics Conference on High Energy Physics*, Manchester (United Kingdom), July 2007, J. Phys. Conf. Ser. 110:102002, 2008
- (64) *Global Aspects of Seven-brane Configurations*, with J. Hartong, T. Ortín and D. Roest, proceedings of the *Eleventh Marcel Grossmann Meeting on Recent Developments in Theoretical and Experimental General Relativity, Gravitation and Relativistic Field Theories*, Berlin, (Germany) July 2006, edited by Hagen Kleinert and Robert T Jantzen, World Scientific (2008), ISBN 978-981-283-426-3

### C. OTHER PUBLICATIONS

- (1) *Conformal Invariance in Supergravity*, Ph.D. thesis, Leiden (1983)
- (2) *Mathematische eigenschappen van snaartheorie*, “Jaarboek” 1993-1994 of the “Vereniging van Akademie-onderzoekers”, 67-75
- (3) *De vele gezichten van supersnaartheorie*, FOM “Jaarboek” 1998, 39-40
- (4) *De vele gezichten van supersnaartheorie*, NTvN **66**/5 (2000) 164-167
- (5) *Super P-brane and Supermembrane*, contributions to the *Concise Encyclopedia of Supersymmetry and Noncommutative Structures in Mathematics and Physics*, Kluwer Academic Publishers, Dordrecht (2004), ISBN 1-4020-1338-8, 395 and 423
- (6) *Van snaren naar membranen: op zoek naar de quantumzwaartekracht*, “oratie” delivered on May 28, 2002, Groningen, <http://www.bergshoeff.fyms.rug.nl/oratie.html>

### D. BOOKS

The following articles have not only appeared in journals but also in reprint collections:

- (1) Article (2) appeared in *Supersymmetry*, edited by S. Ferrara, North Holland/World Scientific 1987, ISBN 0-444-87079-2
- (2) Articles (2), (4), (7), (8), (9), (10), (13), (14), (15) and (18) appeared in *Supergravities in Diverse Dimensions*, edited by Abdus Salam and E. Sezgin, North-Holland/World Scientific 1989, ISBN 0-444-87338-4

- (3) Article (20) appeared in *The World in Eleven Dimensions: Supergravity, Supermembranes and M-theory*, edited by M.J. Duff, IOP Publishing 1999, ISBN 0-7503-0671-8