

LIST OF PUBLICATIONS

Liana David

PREPRINTS

- V. Cortes, L. David: *Twist, elementary deformation and the KK-correspondence in generalized geometry*, arxiv:1706.05516v2[math.DG], 57 pages; sent for publication.

PAPERS ACCEPTED FOR PUBLICATION

- L. David, C. Hertling: *Regular F-manifolds: initial conditions and Frobenius metrics*, **Ann Sc Norm Sup Pisa**, (5), 17, no. 3, p. 1121-1152, (2017)
- D. V. Alekseevsky, L. David: *Prolongation of Tanaka structures: an alternative approach*, **Ann Mat Pura Appl** (4) 196, no 3, p. 1137-1164 (2017)
- L. David, C. Hertling: *Hermitian metrics on F-manifolds*, **J. Geom. Physics**, 107, p. 60-78 (2016)
- L. David: *On cotangent manifolds, complex structures and generalized geometry*, **Ann. Inst. Fourier**, vol. 66, no. 1, p. 1-28 (2016)
- D. V. Alekseevsky, L. David: *Tanaka structures (non-holonomic G-structures) and Cartan connections*, **J. Geom. Physics**, vol. 91, "Conformal and Complex Geometry" in Honour of Paul Gauduchon, p. 88-100 (2015)
- L. David, I. A. B. Strachan: *Symmetries of F-manifolds with eventual identities and special families of connections*, **Ann. Sc. Norm. Sup. Pisa**, vol. XIII, p. 641-674 (2014)
- L. David: *The tt^* -geometry on the big phase space*, **Comm. Math. Physics**, vol. 329, p. 295-323 (2014)
- L. David: *On adding a variable to a Frobenius manifold and generalizations*, **Geom. Dedicata**, vol. 167, p. 189-214 (2013)
- D. V. Alekseevsky, L. David: *Invariant generalized complex structures on Lie groups*, **Proc. London Math Soc**, (4) vol. 105, p. 703-729 (2012)

- L. David: *A prolongation of the conformal-Killing operator on quaternionic-Kähler manifolds*, **Ann. Mat. Pura Applic.**, vol. 191, no. 3, p. 595-610 (2012)
- D. V. Alekseevsky, L. David: *A note about invariant SKT-structures and generalized Kähler structures on flag manifolds*, **Proc. Edinb. Math. Soc.**, vol. 55, no. 3, p. 543-549 (2012)
- L. David, I. A. B. Strachan : *F-manifolds and eventual identities*, **Oberwolfach Reports**, vol. 9, no. 2, p. 1389-1392 (2012)
- L. David, I. A. B. Strachan: *Dubrovin's duality for F-manifolds with eventual identities*, **Adv. Math.** (5) vol. 266, p. 4031-4060 (2011)
- L. David: *The conformal-Killing equation on G_2 and Spin_7 -structures*, **J. Geom. Physics**, (6) vol. 61, p. 1070-1078 (2011)
- L. David: *The fundamental form of almost-quaternionic Hermitian manifolds*, **J. Geom. Physics**, (4) 60, p. 574-580 (2010)
- L. David: *A report on the geometry of Bochner-flat Kähler manifolds*, volum in onoarea lui Dan I. Papuc, **Analele Univ. Timisoara**, XLVIII,1,2, p. 147-156 (2010)
- L. David, M. Pontecorvo: *A characterization of quaternionic projective space by the conformal-Killing equation*, **J. London Math. Soc.**, (2) 80, p. 326-340 (2009)
- L. David: *About the geometry of almost para-quaternionic manifolds*, **Diff. Geom. Applic.**, 27, p. 575-588 (2009)
- L. David: *The Bochner-flat cone of a CR manifold*, **Compositio Math.**, vol. 144, p. 747-773 (2008)
- L. David: *Quaternionic connections, induced holomorphic structures and a vanishing theorem*, **Int. J. Math.**, vol. 19, no. 10, p. 1167-1185 (2008)
- L. David, P. Gauduchon: *The Bochner-flat Geometry of Weighted Projective Spaces*, Perspectives in Riemannian Geometry, **C.R.M. Proceedings and Lecture Notes**, vol. 40, AMS, p. 109-156 (2006)
- L. David: *Sasaki-Weyl connections on CR manifolds*, **Diff. Geom. Applic.**, 24, (5), p. 542-553 (2006)
- L. David, I. A. B. Strachan: *Conformally flat pencils of metrics, Frobenius structures and a modified Saito construction*, **J. Geom. Physics**, 56, (9), p.

1561-1575 (2006)

• L. David: *A note on the multi-Eguchi-Hanson metric*, **Modern Trends in Geometry and Topology**, Cluj University Press, Cluj Napoca, p. 179-184 (2006)

• L. David, I. A. B. Strachan: *Compatible metrics on a manifold and non-local bi-hamiltonian structures*, **Int. Math. Res. Notices**, 66, p. 3433-3557 (2004)

• L. David: *Weyl connections and curvature properties on CR manifolds*, **Ann. Global Anal. Geom.**, 26, no 1, p. 59-72 (2004)

• L. David: *The X-ray transform for currents*, **Diff. Geom. Applic.**, vol. 18, no. 1, p. 113-117 (2003)

• T. N. Bailey, L. David: *The Penrose transform for compactly supported cohomology*, **J. London Math. Soc.**, (1), 66, p. 131-141 (2002)

• L. David: *The Atiyah-Ward Ansatz in 3-dimensions*, **Rendiconti di Matematica**, serie 7, vol. 22, p. 343-358 (2002)

• D. M. J. Calderbank, L. David, P. Gauduchon *The Guillemin formula and Kähler metrics on toric symplectic manifolds*, **J. Symplectic Geom.**, no 4, vol. 1, p. 767-784 (2002)

• L. David: *The Penrose transform for currents*, **Riv. Mat. Univ. Parma**, (7), 1, p. 1-7 (2002)

• L. David: *Relative involutive cohomology and applications*, **Analele Univ. Timisoara Seria Mat-Inf**, vol. XXXIX, fasc. 2, p. 23-34 (2001)

• L. David: *Several extensions of the smooth Penrose transform*, **Analele Univ. Timisoara Seria Mat-Inf**, 39, p. 163-173 (2001)

• L. David, D. I. Papuc: *About positive operators on vector bundles*, **Riv. Mat. Univ. Parma**, (5), 5, p. 55-64 (1996)

• L. David, D. I. Papuc: *On the composition of positive operators on vector bundles*, **Scripta Scient. Math.**, tomus 1, fasc. 2, anno MCMXCIX

• L. David: *Spectral properties of the positive operators defined on a vector bundle endowed with a field of cones*, **Analele Univ. Timisoara**, Seria Mat-Inf 33, no 1, p. 55-65 (1995)

BOOKS

- *The Penrose Transform and its Applications* (Ph.D thesis), Editura Mirton Timisoara, 2002.
- (joint with D. Alekseevsky) *New developements in differential geometry*, under preparation.