

June 13, 2018

## LIST OF PUBLICATIONS

Radu Pantilie

### A. PhD Thesis

[A1] R. Pantilie, *Submersive harmonic maps and morphisms*, Ph.D. Thesis, University of Leeds, U.K., 2000.

### B. Books

[B1] R. Pantilie, *Submersive harmonic maps and morphisms*, Editura Academiei Române, București, 2009.

[B2] S. Marchiafava, R. Pantilie, *Introduction to harmonic morphisms between Weyl spaces and twistorial maps*, Editura Fundației Universitare “Dunărea de Jos”, Galați, 2010.

### C. Papers

[C1] R. Pantilie, A simple proof of the de Rham decomposition theorem, *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)*, **36(84)** (1992), no. 3, 341–343.

[C2] R. Pantilie, On Yang-Mills connections and Riemannian submersions, *Stud. Cerc. Mat.*, **47** (1995), no. 3–4, 333–335.

[C3] R. Pantilie, Some remarks on harmonic Riemannian submersions, *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)*, **40(88)** (1997), no. 1, 21–25.

[C4] R. Pantilie, On the fundamental equations of a Riemannian submersion, *Rev. Roumaine Math. Pures Appl.*, **43** (1998), no. 7–8, 779–783.

[C5] R. Pantilie, Harmonic morphisms with one-dimensional fibres, *Internat. J. Math.*, **10** (1999), no. 4, 457–501.

- [C6] R. Pantilie, Isometric actions and harmonic morphisms, *Michigan Math. J.*, **47** (2000), no. 3, 453–467.
- [C7] R. Pantilie, Conformal actions and harmonic morphisms, *Math. Proc. Cambridge Philos. Soc.*, **129** (2000), no. 3, 527–547.
- [C8] R. Pantilie, J. C. Wood, New results on harmonic morphisms with one-dimensional fibres, *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)*, volume in the memory of G. Vrănceanu, **43(93)** (2000), no. 3–4, 355–365.
- [C9] R. Pantilie, Harmonic morphisms with 1-dimensional fibres on 4-dimensional Einstein manifolds, *Comm. Anal. Geom.*, **10** (2002), no. 4, 779–814.
- [C10] R. Pantilie, J. C. Wood, Harmonic morphisms with one-dimensional fibres on Einstein manifolds, *Trans. Amer. Math. Soc.*, **354** (2002), no. 10, 4229–4243.
- [C11] R. Pantilie, J. C. Wood, A new construction of Einstein self-dual metrics, *Asian. J. Math.*, **6** (2002), no. 2, 337–348.
- [C12] R. Pantilie, J. C. Wood, Topological restrictions for circle actions and harmonic morphisms, *Manuscripta Math.*, **110** (2003), no. 3, 351–364.
- [C13] R. Pantilie, J. C. Wood, Twistorial harmonic morphisms with one-dimensional fibres on self-dual four-manifolds, *Q. J. Math. (Oxford)*, **57** (2006), no. 1, 105–132.
- [C14] E. Loubeau, R. Pantilie, Harmonic morphisms between Weyl spaces and twistorial maps, *Comm. Anal. Geom.*, **14** (2006), no. 5, 847–881.
- [C15] R. Pantilie, On a class of twistorial maps, *Differential Geom. Appl.*, **26** (2008), no. 4, 366–376.
- [C16] R. Pantilie, Harmonic morphisms with one-dimensional fibres on conformally-flat Riemannian manifolds, *Math. Proc. Cambridge Philos. Soc.*, **145** (2008), no. 1, 141–151.
- [C17] P. Baird, R. Pantilie, Harmonic morphisms on heaven spaces, *Bull. London Math. Soc.*, **41** (2009), no. 2, 198–204.

- [C18] L. Ornea, R. Pantilie, On the local structure of generalized Kähler manifolds, *Bull. Math. Soc. Sci. Math. Roumanie*, **52(100)** (2009), no. 3, 347–353.
- [C19] S. Ianus, S. Marchiafava, L. Ornea, R. Pantilie, Twistorial maps between quaternionic manifolds, *Ann. Sc. Norm. Super. Pisa Cl. Sci. (5)*, **9** (2010), no. 1, 47–67.
- [C20] E. Loubeau, R. Pantilie, Harmonic morphisms between Weyl spaces and twistorial maps II, *Ann. Inst. Fourier (Grenoble)*, **60** (2010), no. 2, 433–453.
- [C21] L. Ornea, R. Pantilie, On holomorphic maps and generalized complex geometry, *J. Geom. Phys.*, **61** (2011), no. 8, 1502–1515.
- [C22] S. Marchiafava, L. Ornea, R. Pantilie, Twistor Theory for CR quaternionic manifolds and related structures, *Monatsh. Math.*, **167** (2012), no. 3–4, 531–545.
- [C23] R. Pantilie, On the classification of the real vector subspaces of a quaternionic vector space, *Proc. Edinb. Math. Soc. (2)*, **56** (2013), no. 2, 615–622.
- [C24] S. Marchiafava, R. Pantilie, Twistor Theory for co-CR quaternionic manifolds and related structures, *Israel J. Math.*, **195** (2013), no. 1, 347–371.
- [C25] S. Marchiafava, R. Pantilie, A note on CR quaternionic maps, *Adv. Geom.*, **13** (2013), no. 4, 605–612.
- [C26] R. Pantilie, Generalized quaternionic manifolds, *Ann. Mat. Pura Appl. (4)*, **193** (2014), no. 3, 633–641.
- [C27] R. Pantilie, On the twistor space of a (co-)CR quaternionic manifold, *New York J. Math.*, **20** (2014), 959–971.
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[C30] R. Pantilie, Quaternionic-like manifolds and homogeneous twistor spaces, *Proc. A.*, **472** (2016), no. 2196, 20160598, 11 pp.

[C31] R. Pantilie, The Penrose transform in quaternionic geometry, *Ann. Univ. Ferrara Sez. VII Sci. Mat.*, **63** (2017), no. 1, 169–184.

[C32] M. Benyounes, E. Loubeau, R. Pantilie, Harmonic morphisms and moment maps on hyper-Kähler manifolds, *Manuscripta Math.*, **153** (2017), no. 3-4, 373–388.

[C33] R. Pantilie, Projective structures and  $\rho$ -connections, *J. Inst. Math. Jussieu*, (to appear).

#### D. Proceedings papers

[D1] R. Pantilie, On submersive harmonic morphisms, *Harmonic morphisms, harmonic maps and related topics (Brest, France, July 7–11, 1997)*, 23–29, Pitman Research Notes in Mathematics, CRC Press, 1999.

[D2] R. Pantilie, Harmonic morphisms between Weyl spaces, *Modern trends in geometry and topology (Deva, România, September 5–11, 2005)*, 321–332, Cluj University Press, 2006.

[D3] R. Pantilie, A simple construction of generalized complex manifolds, *Proceedings of the Seventh Congress of Romanian Mathematicians (Braşov, România, June 29–July 5, 2011)*, 221–224, Transilvania University Press, Braşov, and The Publishing House of the Romanian Academy, 2012.

#### G. Preprints

[G1] P. Baird, R. Pantilie, On Ricci solitons and twistorial harmonic morphisms, arXiv:1210.4688.

[G2] R. Pantilie, On the embeddings of the Riemann sphere with nonnegative normal bundles, arXiv:1307.1993.

[G3] R. Pantilie, Harmonic morphisms and the Penrose-Ward transform, arXiv:1502.06420.

[G4] R. Pantilie, Twistorial structures revisited, arXiv:1612.07488.

[G5] R. Pantilie, On the infinitesimal automorphisms of principal bundles, arXiv:1710.10896.

[G6] G. Deschamps, E. Loubeau, R. Pantilie, Harmonic maps and twistorial structures, arXiv:1804.05423.