

## PAPERS AND PREPRINTS

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1. *Classification of homogeneous Einstein metrics on pseudo-hyperbolic spaces*, preprint in 2013 with a major revision in 2016 posted on arxiv in 2018: arxiv 1309.1390, submitted.
2. *Integrable Systems and Connes-Kreimer renormalization*, preprint 2016.
3. *Classification of Pseudo-Riemannian submersions with totally geodesic fibres from pseudo-hyperbolic spaces*, **Proceedings of the London Mathematical Society** **105** (2012), no 6, 1315–1338, DOI:10.1112/plms/pds027, MR3004106
4. *Spectral geometry of Riemannian Legendre foliations* (joint with Stere Ianuş and Anna Maria Pastore), **Bulletin Mathématique de la Société de Sciences Mathématiques de Roumanie** **56** (2013), no. 2, 135–150, <http://ssmr.ro/bulletin/volumes/56-2/node2.html>
5. *Lax pair equations and Connes-Kreimer Renormalization* (joint with Steven Rosenberg), **Communications in Mathematical Physics** **296** (2010), no. 3, 655–680, DOI: 10.1007/s00220-010-1034-7, MR2628819 (2011h:81146).
6. *Integrable systems and Feynman diagrams*, Ph.D thesis 2007, Boston University, 122 pag. ISBN: 978-1109-97582-6, **ProQuest LLC**, PDF available from ProQuest <http://search.proquest.com/docview/304897425/>, MR2710093.
7. *A Cohomology  $(p+1)$  Form Canonically Associated with Certain Codimension- $q$  Foliations on a Riemannian Manifold* (joint with Richard H. Escobales Jr. and Stere Ianuş), **Tokyo Journal of Mathematics** **29** (2006), no. 1, 247–270. DOI: 10.3836/tjm/1166661878, Errata in vol **30** (2007), no. 1, p. 283, DOI: 10.3836/tjm/1184963661, MR2258283 (2007k:53020).
8. *Semi-Riemannian submersions with totally geodesic fibres*, **Tohoku Mathematical Journal** **56** (2004), no. 2, 179–204, DOI: 10.2748/tmj/1113246550, MR2053318 (2005a:53115).
9. *Semi-Riemannian submersions with totally umbilic fibres and warped products*, **Mathematical Reports (Bucureşti)** **6(56)** (2004), no. 1, 1–7, MR2068392 (2005d:53110).

10. *Semi-Riemannian submersions from real and complex pseudo-hyperbolic spaces* (joint with Stere Ianuș), **Differential Geometry and its Applications** **16** (2002), 79–94. DOI: 10.1016/S0926-2245(01)00070-5, MR1877586 (2003h:53095).
11. *Semi-Riemannian submersions with totally umbilic fibres* (joint with Stere Ianuș), **Rendiconti del Circolo Matematico di Palermo** **51** (2002), 249–276. DOI: 10.1007/BF02871654, MR1916929 (2003f:53124).
12. *Submersii Riemann si distribuții slab armonice*, **Mathematical Reports (București)** **1(51)**(1999), no. 1, 3–8. MR1826607 (2002d:53039)
13. *Some remarkable connections and semi-Riemannian submersions* (joint with Klaus Buchner and Stere Ianuș), **Bulletin Mathématique de la Société de Sciences Mathématiques de Roumanie** **41(89)** (1998), no. 3, 153–169. MR1880200 (2002k: 53035).