

PUBLICATIONS

1. R. Szöke, *Monge-Ampère models*, Ph.D thesis, Notre Dame University, IN, USA, 1990.
2. L. Lempert, R. Szöke, *Global solutions of the homogeneous complex Monge-Ampère equation and complex structures on the tangent bundle of Riemannian manifolds*, Math. Ann. **290** (1991), 689-712.
3. R. Szöke, *Complex structures on the tangent bundle of Riemannian manifolds*, Math. Ann. **291** (1991), 409-428.
4. ———, *Adapted complex structures on tangent bundles of Riemannian manifolds*, in: Complex Analysis and Generalised Functions (Proceedings of the 5th International conference on Complex Analysis and Applications with Symposium on generalized functions, 1991 Varna, Bulgaria) ed: Ivan Dimovski and Valentin Hristov (1993), Publishing House of the Bulgarian Academy of Sciences, Sofia.
5. ———, *Automorphisms of certain Stein manifolds*, Math. Zeitschrift **219** (1995), 357-387.
6. A. Dancer, R. Szöke, *Symmetric spaces, adapted complex structures and hyperkähler structures*, Quart. J. Math. Oxford **48** (1997), 27-38.
7. R. Szöke, *Adapted complex structures and Riemannian homogeneous spaces*, Ann. Pol. Math. **LXX** (1998), 215-220.
8. ———, *Adapted complex structures and geometric quantization*, Nagoya Math. J. **154** (1999), 171-183.
9. L. Lempert, R. Szöke, *On the tangent bundle of an almost complex manifold*, Canad. Math. Bull. **44** (1) (2001), 70-79.
10. R. Szöke, *A family of Kähler-Einstein metrics and metric rigidity of Grauert tubes*, Proc. Am. Math. Soc. **129** (2001), 2913-2917.
11. ———, *Involutive structures on the tangent bundle of symmetric spaces*, Math. Ann. **319** (2001), 319-348.
12. ———, *Several complex variables*, (university lecture notes in Hungarian), Eötvös kiadó, 2003.
13. ———, *Canonical complex structures associated to connections and complexifications of Lie groups*, Math. Ann. **329** (2004), 553-591.
14. ———, *Complex crowns of symmetric spaces*, Int. J. Math. **16**, No 8 (2005), 889-902.
15. ———, *On isometries of Kähler manifolds*, Acta Math. Hungar. **111** (1-2) (2006), 77-79.
16. A. Korányi, R. Szöke, *On Weyl group equivariant maps*, Proc. Am. Math. Soc. **134**, No 12 (2006), 3449-3456.
17. L. Lempert, R. Szöke, *A new look at adapted complex structures*, Bull. of London Math. Soc. **44**(2) (2012), 367-374.
18. L. Lempert, R. Szöke, *Uniqueness in geometric quantization*, arXiv:1004.4863 (2010).
19. R. Szöke, *On the Bergman function of planar domains*, preprint (2010).
20. L. Lempert, R. Szöke, *Curvature of fields of quantum Hilbert spaces*, arxiv:1204.0963 (2012).