PUBLICATIONS

MICHAEL T. ANDERSON

1. *Complete minimal varieties in hyperbolic space,*
   Inventiones Math., **69**, (1982), 477-494.

2. *On area-minimizing hypersurfaces in manifolds of non-negative curvature,*
   Indiana Univ. Math. Jour., **32**, (1983), 745-760.

3. *Complete minimal hypersurfaces in closed hyperbolic n-manifolds,*
   Comm. Math. Helvetici, **58**, (1983), 264-290.

4. *The Dirichlet problem at infinity for manifolds of negative curvature,*
   Jour. Differential Geometry, **18**, (1983), 701-721.

5. *Curvature estimates for minimal surfaces in 3-manifolds,*
   Ann. Sci. Ecole Norm. Sup., **18**, (1985), 89-105.

6. (with R. Schoen), *Positive harmonic functions on complete manifolds of negative curvature,*
   Annals of Math., **121**, (1985), 429-461.

7. *L^2 harmonic forms and a conjecture of Dodziuk-Singer,*
   Bull. Amer. Math. Soc., **13**, (1985), 163-165.

8. *Local estimates for minimal submanifolds in dimensions greater than two,*
   Proc. Symp. Pure Math., (Geometric Measure Theory and Calc. Var.), **44**, (1986), 131-137.

9. *Compactification of a minimal submanifold in Euclidean space by the Gauss map,*
   (preprint), I.H.E.S., (1986).

10. *Remarks on curvature integrals and minimal varieties,*
    Contemp. Math., Amer. Math. Soc., **49**, (1986), 11-18.

11. (with V. Schroeder), *Existence of flats in manifolds of non-positive curvature,*
    Inventiones Math., **85**, (1986), 303-315.

12. *Metrics of negative curvature on vector bundles,*
    Proc. Amer. Math. Soc., **99**, (1987), 357-363.

13. *On the fundamental group of non-positively curved manifolds,*
    Math. Annalen, **276**, (1987), 269-278.

14. *L^2 harmonic forms on complete Riemannian manifolds,*
    Proc. Taniguchi Symp., Lecture Notes in Math., vol. 1339, (1988), 1-19.

15. (with L. Rodriguez), *Minimal surfaces in 3-manifolds of non-negative Ricci curvature,*
    Math. Annalen, **284**, (1989), 461-475.

16. *Ricci curvature bounds and Einstein metrics on compact manifolds,*
    Journal Amer. Math. Soc., **2**, (1989), 455-490.

17. (with P. Kronheimer and C. LeBrun), *Complete Ricci-flat Kähler manifolds of infinite topological type,*
    Comm. Math. Phys., **125**, (1989), 637-642.

18. *Moduli spaces of Einstein metrics on 4-manifolds*,
    Bull. Amer. Math. Soc., **21**, (1989), 163-167.

19. *On the topology of complete manifolds of non-negative Ricci curvature*,
    Topology, **29**, (1990), 41-56.

20. *Short geodesics and gravitational instantons*,
    Jour. Differential Geometry, **31**, (1990), 265-275.

21. *Convergence and rigidity of manifolds under Ricci curvature bounds*,
    Inventiones Math., **102**, (1990), 429-445.

22. *Metrics of positive Ricci curvature with large diameter*,
    Manuscripta Math., **68**, (1990), 405-415.

23. *Remarks on the compactness of isospectral sets in low dimensions*,
    Duke Math. Journal, **63**, (1991), 699-711.

24. (with J. Cheeger), *Diffeomorphism finiteness for manifolds with Ricci curvature and $L^{n/2}$ curvature norm bounded*,
    Geom. & Funct. Analysis, **1**, (1991), 231-252.

25. (with J. Cheeger), *C^{α} compactness for manifolds with Ricci curvature and injectivity radius bounded below*,
    Jour. Differential Geometry, **35**, (1992), 265-281.

26. *The L^2 structure of moduli spaces of Einstein metrics on 4-manifolds*,
    Geom. & Funct. Analysis, **2**, (1992), 29-89.

27. *Degeneration of metrics with bounded curvature and applications to critical metrics of Riemannian functionals*,
    Proc. Symp. Pure Math., (Differential Geometry), **54:3**, (1993), 53-79.

28. *Hausdorff perturbations of Ricci-flat metrics and the Splitting theorem*,
    Duke Math. Journal, **68**, (1993), 67-82.

29. *Einstein metrics and metrics with bounds on Ricci curvature*,
    Proc. Int. Congr. of Math., Zürich, vol. 1, (1995), 443-452.

30. *Scalar curvature and geometrization conjectures for 3-manifolds*,
    Comparison Geometry, M.S.R.I. Publications, **30**, (1997), 49-82.

31. *Extrema of curvature functionals on the space of metrics on 3-manifolds*,
    Calc. Var. & P.D.E. **5**, (1997), 199-269.

32. *Scalar curvature, metric degenerations and the static vacuum Einstein equations on 3-manifolds I*,
    Geom. & Funct. Analysis, **9**, (1999), 855-967.

33. *On stationary vacuum solutions to the Einstein equations*,
    Annales Henri Poincare, **1**, (2000), 977-994.

34. *On the structure of solutions to the static vacuum Einstein equations*,
    Annales Henri Poincare, **1**, (2000), 995-1042.

35. *Extrema of curvature functionals on the space of metrics on 3-manifolds II*,
    Calc. Var. & P.D.E., **12**, (2001), 1-58.

36. *Scalar curvature, metric degenerations and the static vacuum Einstein equations on 3-manifolds II*,

Geom. & Funct. Anal, **11**, (2001), 273-381.

37. *On long-time existence in general relativity and geometrization of 3-manifolds*,
   Comm. Math. Phys, **222**, (2001), 533-567

38. L^2 *curvature and volume renormalization of AHE metrics on 4-manifolds*,
   Math. Research Lett., **8**, (2001), 171-188.

39. *Asymptotic behavior of static and stationary vacuum Einstein solutions*,
   Proc. IX Marcel Grossmann Meeting on General Relativity, Rome (2000), 989-990, World Scientific, (2003).

40. *Remarks on evolution of space-times in 3+1 and 4+1 dimensions*,
   Classical & Quantum Grav., **18**, (2001), 5199-5209.

41. *Boundary regularity, uniqueness and non-uniqueness for AH Einstein metrics on 4-manifolds*,
   Advances in Math. **174**, (2003), 205-249.

42. *Einstein metrics with prescribed conformal infinity on 4-manifolds*,
   Geom. & Funct. Analysis, **18**, (2008), 305-366.

43. *Scalar curvature and the existence of geometric structures on 3-manifolds, I*,
   Journal fur die Reine und Angewandte Math. **553**, (2002), 125-182.

44. *Scalar curvature and the existence of geometric structures on 3-manifolds, II*,
   Jour. Reine Angew. Math., **563**, (2003), 115-195.

45. *Cheeger-Gromov theory and applications to general relativity*,
   in: The Einstein Equations and the Large Scale Behavior of Gravitational Fields, Ed: P. Chruśicel and H. Friedrich, Birkhäuser Verlag, Boston, (2004), 357-377.

46. *Regularity for Lorentz metrics under curvature bounds*,
   Jour. Math. Physics, **44**, (2003), 2994-3012.

47. (with P. Chrusciel and E. Delay), *Non-trivial, static, geodesically complete vacuum space-times with a negative cosmological constant*,
   Journal of High Energy Physics, **10:063**, (2002), 1-27

48. (with A. Katsuda, Y. Kurylev, M. Lassas and M. Taylor), *Boundary regularity for the Ricci equation, geometric convergence, and Gelfand's inverse boundary problem*,
   Inventiones Math, **158**, (2004), 261-321.

49. (with A. Katsuda, Y. Kurylev, M. Lassas and M. Taylor), *Metric tensor estimates, geometric convergence, and inverse boundary problems*,
   Elec. Res. Annc of A.M.S., vol. 9, (2003), 69-79.

50. *Dehn filling and Einstein metrics in higher dimensions*,
   Jour. Diff. Geom, **73**, (2006), 219-261.

51. *On uniqueness and differentiability in the space of Yamabe metrics,*
Comm. Contemp. Math., **7**, (2005), 299-310.

52. *Asymptotics of future-complete cosmological space-times,*
Classical and Quantum Gravity, **21**, (2004), S11-S27.

53. *Geometrization of 3-manifolds via the Ricci flow,*
Notices Amer. Math. Soc. **51**, (Feb. 2004), 184-193.

54. *Remarks on Perelman's papers,*
(preprint, July 03, 13pp).

55. *Orbifold compactness for spaces of Riemannian metrics and applications,*
Math. Annalen, **331**, (2005), 739-778.

56. *Peaks in the Hartle-Hawking wave function from sums over topologies,*
(with S. Carlip, J. Ratcliffe, S. Surya and S. Tschantz),
Classical and Quantum Gravity, **21**, (2004), 729-741.

57. *On the structure of conformally compact Einstein metrics,*
Calc. Var. & PDE, (2010).

58. *Geometric aspects of the AdS/CFT correspondence,*
in: AdS/CFT Correspondence: Einstein Metrics and their Conformal Boundaries, Ed: O. Biquard, (2005), 1-31, Euro. Math. Soc, Zurich.

59. (with P. Chruściel and E. Delay), *Non-trivial, geodesically complete space-times with a negative cosomological constant II, $n \geq 5$,*
in: AdS/CFT Correspondence: Einstein Metrics and their Conformal Boundaries, Ed: O. Biquard, (2005), 165-204, Euro. Math. Soc, Zurich.

60. *On the structure of asymptotically de Sitter and anti-de Sitter spaces,*
Adv. Theor. Math. Physics, **8**, (2005), 861-894.

61. *Existence and stability of even dimensional de Sitter spaces,*
Annales Henri Poincare, **6**, (2005), 801-820.

62. (with. P. Chruściel), *Asymptotically simple solutions of the vacuum Einstein equations in even dimensions,*
Comm. Math. Physics, **260**, (2005), 557-577.

63. *Singularities of the Ricci flow,*
Encyclopedia Math. Physics, (2006).

64. (with M. Herzlich), *Unique continuation results for Ricci curvature and applications*
Journal of Geometry & Physics, **58**, (2008), 179-207: *Erratum*, ibid, **60**, (2010), 1062-1067.

65. *Topics in conformally compact Einstein metrics,*
in: Perspectives in Riemannian Geometry, Ed. V. Apostolov et al., CRM Proceedings and Lecture Notes, vol. 40, (2006), 1-26.

66. *Canonical metrics on 3-manifolds and 4-manifolds*
Asian Jour. Math. **10**, (2006), 127-164.

67. *On the uniqueness and global dynamics of AdS spacetimes,*
Class. Quantum Gravity, **23**, (2006), 6935-6953.

68. *On boundary value problems for Einstein metrics,*
Geometry & Topology, **12**, (2008), 2009-2045.

69. *Extension of symmetries on Einstein manifolds with boundary,*
    Selecta Mathematica, **16**, (2010), 343-375.

70. *A survey of Einstein metrics on 4-manifolds,*
    Handbook of Geometric Analysis, Vol. III, (in honor of S.-T.Yau), Ed. Lizhen Ji and Richard Schoen, Advanced Lectures in Math., International Press, Boston, vol. 14, (2010), 1-39.

71. *On quasi-local Hamiltonians in general relativity,*
    Physical Review D, **82** (15 October 2010), 084044.

72. *Boundary value problems for metrics on 3-manifolds,*
    in: Metric and Differential Geometry, on Honor of J. Cheeger, Eds. X. Dai and X. Rong, Birkhauser Verlag, Basel, (2012), 3-17.

73. *On the Bartnik extension problem for static vacuum Einstein metrics,*
    (with M. Khuri),
    Classical and Quantum Gravity, **30**, 125005, (2013).

74. *Holographic uniformization,*
    with C. Beem, N. Bobev and L. Rastelli,
    Comm. Math. Phys., **318**, (2013), 429-471.

75. *Local existence and uniqueness for exterior static vacuum Einstein metrics,*
    (preprint, August 2013), to appear in Proc. Amer. Math. Soc.

76. *On the local rigidity of Einstein manifolds with convex boundary,*
    (preprint, Oct. 2012).

77. *Static vacuum Einstein metrics on bounded domains,*
    (preprint, May 2013), to appear in Annales Henri Poincare.

78. *Conformal immersions of prescribed mean curvature in R^3,*
    (preprint, April 2012).

79. *Alexandrov immersions, holonomy and minimal surfaces in S^3,*
    (preprint, July 2014).