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**Christine Escher\*** ([tine@math.orst.edu](mailto:tine@math.orst.edu)), Oregon State University, and **Catherine Searle**,  
Wichita State University. *Non-negative curvature and torus actions.*

The classification of Riemannian manifolds with positive and non-negative sectional curvature is a long-standing problem in Riemannian geometry. In this talk I will summarize recent joint work with Catherine Searle on the classification of closed, simply-connected, non-negatively curved Riemannian manifolds admitting an isometric, effective, maximal torus action. This classification has many applications, in particular the Maximal Symmetry Rank conjecture holds for this class of manifolds. (Received September 06, 2017)