1114-58-152   **Richard H Bamler*** (`rbamler@berkeley.edu`), University of California, Berkeley, 970 Evans Hall #3840, Berkeley, CA 94720. *On the scalar curvature blow up conjecture in Ricci flow.*

In this talk, I will survey recent results on Ricci flows with bounded scalar curvature.

It is a basic fact that the Riemannian curvature becomes unbounded at every finite-time singularity of the Ricci flow. Sesum showed that, more precisely, even the Ricci curvature becomes unbounded at every such singularity. Whether the same can be said about the scalar curvature has since remained a conjecture. (Received August 23, 2015)