1052-35-102     **Luca Capogna\*** (`lcapogna@uark.edu`), Department of Mathematical sciences, University of Arkansas, 1 Dickson St., Fayetteville, AR 72701. *An analogue of the mean curvature flow in sub-Riemannian geometry.* Preliminary report.

The talk will address some analytic and geometric aspects of an evolution PDE that describes the motion of smooth hypersurfaces in Carnot groups along the gradient flow of the (sub-Riemannian) perimeter. (Received August 23, 2009)

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