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Yuri Nikolayevsky* (y.nikolayevsky@latrobe.edu.au), Department of Mathematics and Statistics, La, Trobe University, Bundoora, Melbourne, Victoria 3195, Australia. *Solvable Lie groups of negative Ricci curvature.*

We consider solvable Lie groups which admit a left-invariant metric of strictly negative Ricci curvature. We obtain necessary and sufficient conditions of the existence of such a metric for Lie groups the nilradical of whose Lie algebra is either abelian or Heisenberg or filiform and discuss some open questions. (Received September 09, 2014)