## EINSTEIN-TYPE MANIFOLDS : INTEGRABILITY CONDITIONS AND SOME CLASSIFICATIONS RESULTS P.MASTROLIA

In this talk I will introduce the notion of Einstein-type structure on a Riemannian manifold, unifying various particular cases recently studied in the literature, such as gradient Ricci solitons, Yamabe solitons and quasi-Einstein manifolds. I'll show that these general structures can be locally classified when the Bach tensor vanishes.