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Daniele Grandini*, grandini@unm.edu. *Generalized almost contact structures and their geometric type.*

The talk is based on a joint work with Marco Aldi, VCU. Generalized contact geometry is the odd dimensional analogue of generalized complex geometry. The object of study of generalized contact geometry are the so-called "generalized almost contact structures" (GACS), which generalize and unify two important structures in odd-dimensional geometry: almost contact structures and almost cosymplectic structures. In particular, the so-called normal GACS generalize both normal almost contact structures and cosymplectic structures. We introduce an important invariant of GACS, called the "geometric type", which is the odd-dimensional analogue of the type of a generalized almost complex structure. Several examples will be given, including examples of GACS whose geometric type is not constant. (Received February 09, 2014)