MRD codes and scattered linear sets

Daniele Bartoli

University of Perugia, Perugia, Italy

Rank metric codes are strictly related to relevant objects in projective spaces, namely scattered linear sets. These objects are often investigated via their polynomial description, which allows to consider algebraic varieties attached to them. Recently, together with G. Marino, A. Neri and L. Vicino we proposed a generalization of the concept of scattered polynomials introduced by Sheekey. In this talk I will present new results in this direction.

University of Perugia, Department of Mathematics and Computer Science, via Vanvitelli 1, 06123, Perugia, Italy

daniele.bartoli@unipg.it