Contribution ID: **11** Type: **not specified**

s-PD-sets for codes from projective planes $\mathrm{PG}(2, 2^h)$, $5 \leq h \leq 9$

In this talk we will describe a construction of 2-PD-sets of 16 elements for codes from the Desarguesian projective planes $\mathrm{PG}(2, q)$, where $q = 2^h$ and $5 \leq h \leq 9$. We will also describe a construction of 3-PD-sets of 75 elements for the code from the Desarguesian projective plane $\mathrm{PG}(2, q)$, where $q = 2^9$. These 2-PD-sets and 3-PD-sets can be used for partial permutation decoding of codes obtained from the Desarguesian projective planes.

Primary authors: MOSTARAC, Nina (Department of Mathematics, University of Rijeka); CRNKOVIĆ, Dean; RODRIGUES, Bernardo; STORME, Leo

Presenter: MOSTARAC, Nina (Department of Mathematics, University of Rijeka)

Track Classification: Oral presentation