GIORGIS PETRIDIS, The University of Georgia

Almost orthogonal sets over finite fields

The talk will be on joint work with Ali Mohammadi on the proof of a conjecture of Ahmadi and Mohammadian who studied a question of Erdos in the setting of vector spaces over finite fields: How large can a subset of \mathbb{F}_q^n be with the property that among any three vectors there is an orthogonal pair?