



FATİH UNIVERSITY

Department of Mathematics

Seminars on

Codes, Cryptography and Combinatorics

Dear Colleagues,

You are cordially invited to attend the following seminar organized by the department of mathematics.

Speaker : Assoc. Prof. Tevfik BİLGİN

Title : Codes over Group Rings

Abstract : In this talk, we will give codes over group rings of non-abelian groups over \mathbb{Z}_n , where n and the order of group are relatively prime. We first focus on the decompositions of group rings and codes obtained from these decompositions. Later on, we use extended representations of group rings to get more specific subrings and ideals. We will give some examples for groups S_3, D_4 and A_4 .

Date : May 28, Thursday

Time : 13:00

Room : A-324