

## abstract

LIE GROUPS, REPRESENTATIONS AND DISCRETE MATH  
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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This talk is about joint work with A. Lubotzky. Let  $F_n$  be the free group on  $n \geq 2$  elements and  $A(F_n)$  its group of automorphisms. We have constructed new linear representations of  $A(F_n)$  arising through the action of finite index subgroups of it on relation modules of finite quotient groups of  $F_n$ . We show (under certain conditions) that the images of our representations are arithmetic groups.