

*Speaker:*

Semra PAMUK

*Title:*

Periodic Resolutions and Finite Group Actions

*Abstract:*

The area of group actions on CW-complexes is one of the examples where we can observe the interactions of algebra and topology, distinctly. In this talk, we will try to establish the relation of a periodic resolution over a suitable category and finite group actions on CW-complexes which has homotopy type of a sphere. In particular, we will talk about group actions with isotropy in certain family of subgroups.