



DIISM – Dipartimento di Ingegneria
Industriale e Scienze Matematiche

AVVISO DI SEMINARIO

Martedì 12 dicembre 2023 - ore 17.30

presso l'aula 155/B nei locali DIISM

il **Prof. FRANCESCO ESPOSITO** (Università di Padova) terrà
un seminario dal titolo

“Cohomology of quiver Grassmannians”

Abstract: I relate on ongoing work in progress with M. Marietti and G. Cerulli Irelli. Quiver Grassmannians are projective varieties varying in families, whose cohomologies may be compared through specialization maps. The variation of such cohomologies may also be related to intersection cohomology of orbit closures by the decomposition theorem of Beilinson-Bernstein-Deligne-Gabber. A recent result of Fang-Reineke relates supports of the decomposition theorem for linear degenerations of flag varieties with Motzkin paths. We give a conceptual explanation of such result in combinatorial terms using specialization maps.