

Perugia, 11/05/2026

Il giorno **Mercoledì 20 Maggio 2026** alle ore **16:30** presso la **Sala Riunioni** del nostro Dipartimento, la **Dott.ssa Karolina Fisiak** della Technical University of Lodz, Poland, terrà un seminario dal titolo

"Equilibria on simplices in Hilbert spaces"

Tutti gli interessati sono invitati a partecipare.

Paola Rubbioni

Abstract: I will present and discuss the equilibrium existence results for continuous maps defined on compact and convex subsets of Banach and Hilbert spaces. I will bring-up theorems in which the existence of zeros stems from assumptions regarding boundary behaviour of mappings. The main subject will revolve around Browder's Theorem, Vrahatis' Theorem and its infinite-dimensional version. During the presentation I will examine tangent and normal cones and their connection to the orthogonal projection. Additionally, I will show that sometimes the sign conditions can be interpreted from the perspective of the geometric property which is the belonging to the tangent and normal cones.