Title: **On fractional equations with critical growth**

Author: **Rafaella Servadei** (Università degli Studi di Urbino Carlo Bo, Italy)

Abstract:

Fractional and nonlocal operators appear in concrete applications in many different fields. This is one of the reason why, recently, nonlocal fractional problems are widely studied in the literature. Critical problems are particularly relevant for their relations with many applications where a lack of compactness occurs. Aim of this talk is to discuss some recent results about existence and multiplicity of solutions for fractional nonlocal equations with critical growth assumptions on the nonlinear term.