

3) Title*: *GPR prospections aiming at detect of Quaternary seismogenic faults at the Castelluccio di Norcia basin.*

Name of the **supervisor:** *Maurizio Ercoli*

Name(s) of a **potential co-supervisor(s):** *Cristina Pauselli, Francesco Brozzetti, Daniele Cirillo, Stefano Pucci*

Prospective **assistance** in the supervision: *Field Activity in data Acquisition, Processing and Interpretation*

Prerequisites based on specialization or specific compulsory courses or (if any): *Applied Geophysics. Good attitude in the use of Geophysical - GPS - GIS software and skills in data processing and interpretation.*

Brief **description** of the planned research and references if needed, including the 1) **objectives**, 2) the **study area** and 3) the **research methods** foreseen: *Possible geophysical evidences of unknown fault strands generated by past strong earthquakes may be located in the shallow subsurface. A geophysical approach to the paleo-seismological techniques will be attempted across the areas of the basin where surface ruptures occurred during the recent earthquakes. References available.*