

## Seminar

for Master and PhD students

# Fault Displacement Hazard Analysis


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Pescara, 15 June 2026 9:00 – 13:00

SHAKing spinoff office (Pescara, Via A. Lo Feudo 1, Settore A) and online

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Fault displacement hazard is a very localized hazard, due to the rupture of the topographic surface caused by slip along the fault responsible for a strong earthquake. It can be critical for the safety of strategic infrastructure systems (energy, communication, industrial, health and emergency management), as well as inhabited areas. The seminar will cover: 1) basic concepts, definitions and control factors of the phenomenon; and 2) geological mitigation strategies such as fault zoning and probabilistic fault displacement hazard analysis (PFDHA).