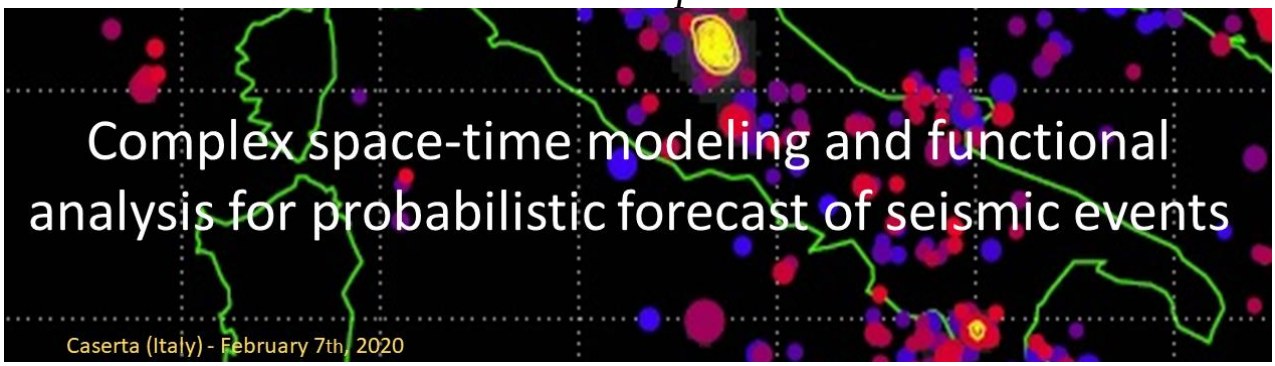
Workshop on



The workshop aims at bringing together researchers interested in the analysis of the space-time processes for improving the seismic hazard assessment in probabilistic terms. The invited speakers will show the results of their research activities inside the project "Complex space-time modeling and functional analysis for probabilistic forecast of seismic events", funded by the Italian Ministry of University, Education and Research, for the PRIN-2015 program.

Workshop program:

10:50 - **Opening**: Space-time modeling and new hints for probabilistic forecast of seismic events - *Giada Adelfio (University of Palermo)*

11:00 - Classification of spatio-temporal point pattern in the presence of clutter - *Marianna Siino (University of Palermo)*

11:20 - Using covariates in space-time ETAS model - *Marcello Chiodi (University of Palermo)*

11:40 - Coffe break

12:00 - Evaluation of the performance of the national seismic network and earthquakes locations - *Salvatore Scudero, Antonino D'Alessandro (INGV)*

12:20 - Failure models driven by a self-correcting point process in earthquake occurrence modeling - *Renata Rotondi (CNR-IMATI, Milan)*

12:40 - Comparison of two clustering algorithms through centrality measures for the characterization of earthquake clusters - *Elisa Varini (CNR-IMATI, Milan)*

13:00 - Clustering of spatio-temporal point processes using local spatial-temporal dependence models - Antonio Balzanella *(University of Campania Luigi Vanvitelli)*

13:20 - DISCUSSION

Location: Department of Mathematics and Physics of University of Campania "Luigi Vanvitelli", Viale Lincoln 5, Caserta, Italy.