

5<sup>th</sup> International Conference and Exhibition on

# Occupational Health & Safety

June 06-07, 2016 Dallas, USA

## Earthquake prevention and safety in workplace

**Renato Lagana**

Mediterranean University, Italy

Workplaces, offices and construction sites, located in seismic areas, should be considered in the Emergency Plan also the possibility of preservation behaviors related to occupational health and safety. In this framework, the Consolidated Safety Legislation, adopted in Italy in 2008 transposing the European Directives, frames the emergencies in the work place. It does not consider the site as a possible place for the practical implementation of preventive measures. More recent experience in countries around the world has clearly expressed the need to open new scenarios on the terms of the prevention and reduction of risk at construction sites in operation in case of earthquake. Such measures must then be adapted to the activities of ruin removal and to the reconstruction sites. In Italy, after the recent destructive earthquakes in L'Aquila town and in the Emilia region, finally these issues have become topical. Specific procedures have been started to be taken in the workplace in general and also specifically for temporary workplaces. The research activities carried out at the Department DARTE, which is located in a city with high seismic area in the Straits of Messina in Southern Italy, had significant approaches in recent international conference (C.I.B. – Lunf 2014). They are performed with I.N.A.I.L. (National Institute for Insurance against Accident at Work) and have as objective the reduction of risk in different situations. They take account of the experience acquired in the most sensitive countries to seismic risk (USA, Japan, Greece, etc.)

### Biography

Renato Lagana is associated professor at Department of Architecture and Environment of the Mediterranean University of Reggio Calabria in technology and production building. He has lectured at universities and has taught at national and international masters. Since 2002 co-ordinates the activities of the Team-D which conduct research on safety aspects in construction sites. He has been an invited speaker at international congress in the field of Health and Safety. He is author of numerous scientific publications, published in Italy and in other countries.

[rlagana@unirc.it](mailto:rlagana@unirc.it)**Notes:**