Earthquake prevention and safety in workplace

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Workplaces, offices and construction sites, located in seismic areas, should also be considered in the Emergency Plan 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 workplace. It is not considered 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 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 of and to the reconstruction sites. In Italy, after the recent destructive earthquakes in L'Aquila town and in the Emilia region, 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, have 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 situation. They take account of the experience acquired in the most sensitive countries to seismic risk (USA, Japan, Greece, etc.).

Biography

Renato Lagana is associate 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 coordinates the activities of the Team-D which conducts research on safety aspects in construction sites. He has been 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.

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