

# Architectonic Photogrammetry and Earthquake of 1980 in Italy

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**Key words:** Digital cadastre; Education; History; Photogrammetry; Risk management

## SUMMARY

The present work is the ideal continuation of the report "Open digital stereophotogrammetric archive: StereoFot - 35th anniversary of the earthquake, 23 November 1980, Basilicata, Italy" presented to the FIG Working Week 2015 - From the wisdom of the ages to the challenges of the modern world Sofia, Bulgaria , 17-21 May 2015

([Http://www.fig.net/resources/proceedings/fig\\_proceedings/fig2015/papers/ts05d/TS05D\\_grimaldi\\_7914.pdf](http://www.fig.net/resources/proceedings/fig_proceedings/fig2015/papers/ts05d/TS05D_grimaldi_7914.pdf) ).

The search results are

1) The process of detecting building organisms damaged by the earthquake, in particular "ecclesiastical cultural assets" (73%) and "civil cultural heritage" (27%) built in the area hit by the Irpinia earthquake on November 23, 1980, in starting from the week after the earthquake. The two teams of surveyors were composed of soldiers of the Local Police of the City of Bari coordinated by Prof. Ing. Antonio Daddabbo, of the Chair of Architectonic Photogrammetry of the University of Bari. It should be noted that in 1990 with the Faculty of Engineering and the nascent Faculty of Architecture he established the Polytechnic of Bari where the Architectonic Photogrammetry Laboratory continued to develop research.

2) the digitalization and publication on the Internet between 1990 and 1995 of the

stereophotogrammetric investigations obtained with the WILD C120 stereometric camera;

3) the creation of the "Open digital stereophotogrammetric archive:

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StereoFot"

The research has been developed by the Architectonic Photogrammetry Laboratory of the Polytechnic of Bari in the last 45 years. The architectonic photogrammetry laboratory of the Polytechnic of Bari was created (before the foundation of the same Polytechnic of Bari) by Prof. Antonio Daddabbo, who directed the laboratory until October 31st 2008. Subsequently, Prof. Arch took on the scientific responsibility Claudio D'Amato Guerrieri, former director of the DICAR Department of the Polytechnic of Bari until his death and currently the laboratory is managed by Pietro Grimaldi to support the results for the thesis work

.It should be noted that all the works of the Architectonic Photogrammetry Laboratory of the Polytechnic of Bari have followed the principle that defines architectonic photogrammetry the survey technique, which allows to obtain metric data (shape and position) and qualitative data (stereoscopic observation of the surroundings) of an "object" through the acquisition and analysis of a couple of stereometric frames

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