

# Points cloud-based Building Information Modeling

## Workshop | ROME 6 - 10 July | 2015

Faculty of civil and industrial engineering | San Pietro in vincoli

The use of Terrestrial Laser Scanning (TLS) point clouds in Building Information Modeling (BIM) environment is an emerging approach that provides an excellent way to rapidly assess the conditions of existing buildings and artefacts.

The workshop provides the opportunity to acquire basic knowledge of BIM and TLS and of their integration for reconstructing accurate 3D models.

In the first part, the 3D TLS technique will be introduced and experimented by experts in the field of architectural surveying; the second part will be focused on the use of BIM tools also dedicated to manage TLS points clouds.

### Main topics:

- 1\_Terrestrial Laser Scanning: surveying and data processing methods
- 2\_Building Information Modeling: main tools for data analysis and management
- 3\_The point cloud-based approach for Building Information Modeling

Costs: € 200 (VAT excluded)

Date: 6-7 | 9-10 July 2015

Venue: Faculty of Civil and Industrial Engineering - Sapienza University of Rome

Via Eudossiana 18 , Roma (Metro B/ Cavour or Colosseo stops)

Prerequisites: Basic knowledge of 3D modeling/surveying

Equipment: PC, Autodesk Revit

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Scientific coordinator:

Prof. arch. Leonardo Paris,

Organized by:

Arch. Wissam Wahbeh

### Subscription:

The number of participants is limited, if interested please contact Arch. Wissam Wahbeh ([wissam.wahbeh@uniroma1.it](mailto:wissam.wahbeh@uniroma1.it)) before 1st July 2015

Note: this edition involve the participation of a group of students from Al-Ahliyya Amman University (Jordan). It will be conducted in English in presence of Italian tutors.

*\*Il Workshop sarà tenuto in lingua inglese, con la presenza continua di tutor italiani*