

Laser scanning for documentation of architectural heritage

Training program-Jerusalem

Day One - 7.11.2020 from 10:00 to 14:00

1. Introduction to the Project and training program (S)

- Site visit and field planning (case study)

2. Introduction to Basic Principles (C)

- Documentation for architectural heritage
- What is a Terrestrial Laser Scanner (TLS), why it is used?
- Examples of actual projects done in Palestine and the world

Day Two- 08.11.2020 from 12:00 to 16:00

- **Acquisition data (S)**

- Setup the scanner - Project, Quality, Resolution
- Use of targets

Day Three- 14.11.2020 from 10:00 to 14:00

- **Postproduction - acquisition of data and processing (C)**
- Registration of the data in Scene software
- Creation a 3Dmodel (Point cloud project)
- Creating clipping boxes
- Creating fly through movies,
- Creating meshes
- From 3D to 2D, creation of orthophoto, plans, sections, elevations
- Publish the data to the web using FARO Webshare Cloud

Day Four- 15.11.2020 from 12:00 to 16:00

- Introduction to Photography and photogrammetry
- Capturing Photos onsite

Day Five- 16.11.2020 from 12:00 to 16:00

- Processing photo data using Agisoft Photoscan (C)
- Creating Orthophoto views and 2d drawings (S)

(C): In class (S): Onsite