Aims of the summer school

The CIPA (http://cipa.icomos.org) summer school on “Cultural Heritage 3D Surveying and Modeling”, organized within the activities of the Paestum project - http://paestum.fbk.eu, gives the opportunity to scholars, PhD students, researchers and specialists in the surveying and heritage fields to deepen their knowledge and expertise with reality-based 3D modeling techniques. The summer school consists of theoretical lectures (surveying, photogrammetry, active sensors, etc.) and practical work, in the field and in the lab. The participants will learn the basics in surveying and data acquisition (with digital cameras, laser scanning sensors and UAV platforms) as well as practice with data processing methods for 3D models and metric products generation.

The participants, during the practical works, will be divided in groups and with some tutors they will exercise with photogrammetry, scanning and topography both in the archaeological area and in the nearby museum. Each group will be responsible of the digitization of artifacts and big structures and in the last day the results will be presented. The participants must bring a laptop computer (middle-high performances) and, possibly, a digital camera. Other instruments and processing software will be distributed by the organizers.

The summer school is organized by CIPA within its dissemination and technology transfer activities and with the financial support of the CIPA sustaining members.

CIPA - The International Committee for Documentation of Cultural Heritage

CIPA is an international committee of ICOMOS (www.icomos.org) and ISPRS (www.isprs.org) aiming at keeping up with technology and ensuring its usefulness for Cultural Heritage conservation, education and dissemination.

Preliminary program 12-19 July, 2015

Day 0 Sun 12/07  Arrival and icebreaking party @ 19:00
Day 1 Mon 13/07  Lectures: topography, photogrammetry, laser scanning, 3D modeling
Day 2 Tue 14/07  Surveying / data acquisition in the archaeological area and museum
Day 3 Wed 15/07  Surveying / data acquisition
Day 4 Thu 16/07  Data processing
Day 5 Fri 17/07  Data processing
Day 6 Sat 18/07  Final presentations and social dinner
Day 7 Sun 19/07  Sea and leaving/departure
**Participation & registration**
The registration fee for the participation is **600 Eur**. The fee includes: lecture material, entrance to the site and museum, full-board hotel, welcome party, social dinner.
For the participation, please send a CV to Fabio Remondino – remondino@fbk.eu – **before June 5th, 2015**. The max number of participants is **24**. The participant selection will be done according to the CV and order of arrival of the request.

**Venue and location**
**Hotel Villa Rita**, Paestum (SA) - [http://www.hotelvillarita.it](http://www.hotelvillarita.it); the participants will stay in double/triple rooms with full-board treatment. The hotel is very close to the archaeological area and ca 1.5 km from the train station of Paestum. The closest airport is Naples.

**The archaeological site of PAESTUM**
The ancient city of Paestum preserves ruins of Greek and Roman times and three very well preserved Doric temples. Paestum is one of the most important archaeological sites in Italy and was included in the UNESCO World Heritage list in 1998. Greeks from Sybaris founded Paestum around 600 BC with the name of Poseidonia with urban spaces divided into sacred, public and private areas. At the end of the 5th century BC Poseidonia came under the control of the Lucani while in 273 BC, the city became a Roman colony. The city was then abandoned during the Middle Ages and the archaeological area remained submerged under marshes and brushwood for a long time. With the rediscovery of the temples in the 18th century, Paestum came into knowledge again. Systematic archaeological investigations started at the beginning of the last century and they are still on going.

**Lecturers and tutors:**
- Fabio Remondino – FBK Trento, Italy  
- Pierre Grussenmeyer – INSA Strasbourg, France  
- Geert Verhoeven – LBI Vienna, Austria  
- Fabio Menna – FBK Trento, Italy  
- Fausta Fiorillo, University of Salerno, Italy  
- Sara Gonizzi – Politecnico of Milano, Italy  
- Andreas Georgopoulos – NTUA Athens, Greece  
- Stratos Stylianidis – AUTH Thessaloniki, Greece  
- Jose’ Luis Lerma – Univ. Politecnica Valencia, Spain  
- Erica Nocerino – FBK Trento, Italy  
- Raphael Heno – ENSG, France

**Summer school partners**
- Archaeological superintendence for Campania region - responsible: Dr. Adele Campanelli  
- National archaeological museum of Paestum - responsible: Dr. Maria Annunziata Cipriani

**Archaeological superintendence for Campania region**

**National archaeological museum of Paestum**