

POLITECNICO DI MILANO

SUMMERSCHOOL

DRAWING THE GENIUS

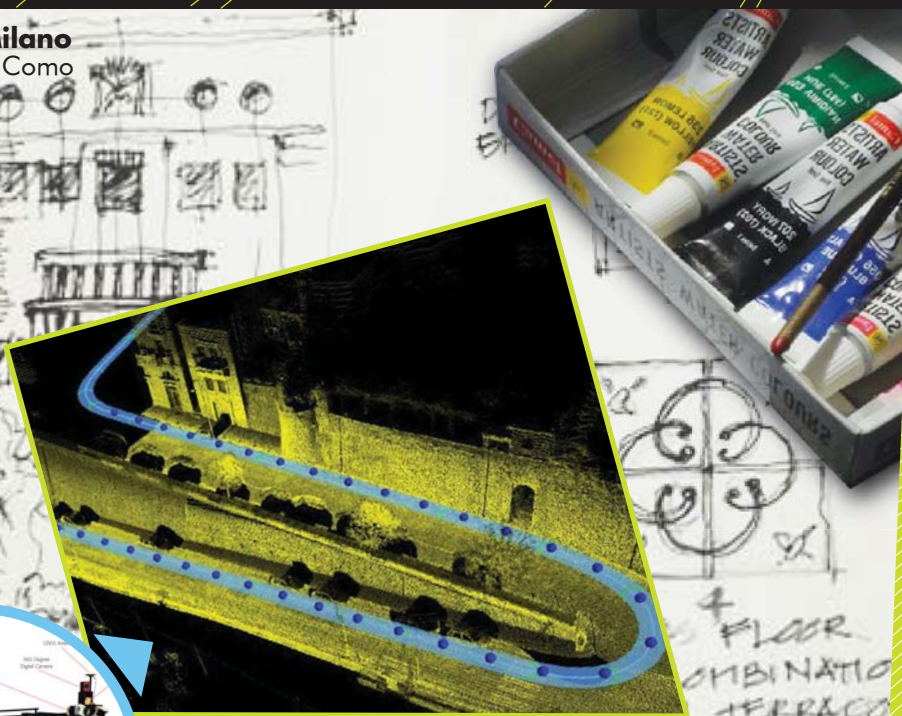
3D MAPPING, ICT AND DESIGN FOR PLACES

Politecnico di Milano
Polo Territoriale di Como
Palazzo Natta
Via Natta 14
22100 Como

In partnership with TOPCON POSITIONING INC

PROGRAMME

- 07/14: Arrival in Como
07/15: Representation and survey from tradition to innovation. Introduction to ICT and smart cities
07/16: 3D Mapping. Presentations and workshop
07/17: Indoor positioning. Presentations and workshop
07/18: Infomobility. Presentations and workshop
07/19: Data visualization, GIS, Mobile Technologies. Presentations and workshop
07/20: Design for cultural heritage and places. Presentations and workshop
07/21: Design for cultural heritage and places. Workshop
07/22: Tour and visit
07/23: Design for cultural heritage and places. Workshop
07/24: Final review, exhibition and presentation of works. Jury panel
07/25: Departure



BACKGROUND

Italian cities, territories and cultural heritage display a catalogue of craft products and pattern languages; their nature require accuracy about understanding of cultural tangible and intangible values, in all their aspects (historical, formal, figurative, constructive, functional, etc.) at the architectural and at urban scale. Information and Communication Technologies (ICT) are critical to improve the competitiveness of European industry and to meet the demands of its society and economy. ICT have catalytic impact in three keys areas: productivity and innovation, by facilitating creativity and management; modernisation of public services; advances in science and technology, by supporting cooperation and access to information and culture

SUBJECT

Strategic design actions through interpretative models for analysis, representation and fruition of places and their tangible and intangible values. Design for cultural heritage and design for places as strategic lever for the transfer of innovative processes to enhance the cultural heritage

and territories in the widest sense. The programme is concerned to develop a methodological model for reading, interpretation and narration of tangible qualities and intangible assets of built environment, through the creation of a visual and/or multimedia digital catalogues

EXPECTED OUTCOMES

Expected outputs are related to place mapping and ICT for heritage, cities and territories:

- good practices for 3D modeling, documentation and visualization
- from field survey to pattern books and catalogues: representation, dissemination and socialization of tangible, intangible issues
- value maps, thematic/topological representations and webgis tools
- definition of guidelines/codes for design oriented documentation and regeneration projects

WORKSHOP FOCUSES

Representation survey from tradition to innovation:
Mobile Mapping,
Indoor Positioning, Infomobility,
Design for cultural heritage,
Design for places, Smart Cities

TECHNICAL PARTNERS

Topcon Positioning Inc,
Compagnia delle Misure

INVITED PARTNERS

Universidad CEU San Pablo,
Columbia University New York,
University of Aveiro Portugal,
Federal University of Minas Gerais Brasil,
INTBAU - The International Network for Traditional Building, Architecture & Urbanism London

ORGANIZATION

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INFORMATION

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INFORMATION & COSTS

The cost is 1000 euro and includes organization fees and registration, Intbau membership, educational activities in english, a welcome kit with technical documentation and drawing supplies. Accomodation fee is 1000 euros and includes a 11-nights stay in Como: accomodation and breakfast with private tours and museum, special events, travelcards/local transports, welcome and farewell event. The fee does not include any airport shuttle costs / travel tickets and any travel or health insurance

SUBSCRIPTION

For Credit Card payment, go to the site web: <https://scrigno.popso.it/PagoFacile/servlet/SeBenvenuto> click on "utente anonimo" and "pagamento senza avviso", select the beneficiary company "Politecnico di Milano and choose the type of payment; on the right menu select: "summer school - Polo di Como". Finally insert your personal data as requested.

