

Exploring urban change through visual and environmental simulations

International Workshop 17 - 18 June 2010

Milano, Politecnico, Laboratorio di Simulazione Urbana

Venue: Laboratorio di Simulazione Urbana | Edificio Sottomarino, via Bonardi, 3
Spazio Aperto Nave | Edificio Nave, floor -1, via Bonardi, 9

Program

- *Day 1, Morning: Opening seminar: Work in progress of the Labs of Urban simulation and Environmental modelling*, whereby results of recent research and educational activities carried out at the School of Architecture and Society are presented.

Thursday, June 17, AM | **venue: Spazio Aperto Nave**

09:30		Workshop opening
09:45	PANEL I	<i>Fausto Curti (Polimi)</i> , Chair of the panel Introduction to the Workshop
10:00	<i>Barbara Piga (Polimi)</i>	Research activities and experimentation at the Laboratorio di Simulazione Urbana (<i>some results of completed work</i>)
10:30	<i>Valerio Signorelli, Daniele Villa (Polimi)</i>	Applications of City Engine and Unity for Urban Simulation
10:45	<i>Laura Cibien, Francesco Secchi (Polimi)</i>	Three steps toward the Luminous planning table
11:00		Coffee break
11:15	PANEL II	<i>Gianni Scudo (Polimi)</i> , Chair of the panel Introduction to the Session
11:30	<i>Matteo Clementi (Polimi)</i>	Strategies for the energy autonomy of the built environment: a case study in Valtellina
11:50	<i>Elisabetta Troglio, Matteo Doni (Polimi)</i>	Sustainable urban morphology for new quarters and within the existing urban fabric in Europe
12,20	<i>Valentina Dessì</i>	Urban Comfort and design tools
12,40	<i>Gianni Scudo (coordinator) (Polimi)</i>	Questions and comments
13,10		Lunch

- *Day 1, Afternoon: European simulation laboratories. Exchange seminar* where purposes, equipments, educational and research experiences implemented in similar European laboratories, research structures and institutions are presented and discussed; the works are illustrated by international speakers and commented together with the invited experts, professors and students of the school.

Thursday, June 17, PM | venue: Spazio Aperto Nave

14:30	PANEL III	<i>Lidia Diappi (Polimi)</i> , Chair of the panel Introduction to the session
14:45	<i>Martijn Stellingwerff (TU Delft)</i>	New Urban / Architectural Envisioning experiments at the Delft Faculty of Architecture Questions
15:25	<i>Dominik Lengyel, Catherine Toulouse (Brandenburg University of Technology)</i>	Physical and Virtual Urban Models for Cologne Questions
16:10		Coffee break
16:20	<i>Margherita Cavallo (Glasgow City Council)</i>	The Glasgow Urban Model: accessibility, participation and improved communication within the planning system Questions
17:00	<i>Cynthia Echave (Agència d'Ecologia Urbana de Barcelona)</i>	Simulation tools in urban transformation planning Questions
17:40	<i>Alessandro Rogora (coordinator)</i>	Open discussion Invited speakers: <i>Paola Caputo (Polimi)</i> , <i>Eckart Lange (University of Sheffield)</i> , <i>Steve Tiesdell (University of Glasgow)</i>
18:30		Conclusion of the session
20:00		Social Dinner

- *Day 2, Morning: Learning by trial and error: the use of the Lab as a didactic setting. Simulation workshop*, whereby physical and virtual models realized by the students in different courses are tested using some tools developed and applied at the laboratories.

Friday, June 18, AM | venue: **Laboratorio di Simulazione Urbana**

09:30	PANEL IV	<i>Rossella Salerno (Polimi)</i> , Chair of the panel Introduction to the session
09:45	<i>Barbara Piga (Polimi)</i>	Ongoing research activities: works with students, research topics, future directions
10:00	<i>Andrea Arcidiacono (Polimi)</i>	Open spaces and urban livability in Milan (<i>results of master theses and internship works</i>)
10:20	<i>Eugenio Morello (Polimi)</i>	Energy, climate and urban form. (<i>research works and works with students</i>)
10:40	<i>Rossella Salerno, Daniele Villa (Polimi)</i>	Models for landscape representation: didactic experiences
11:00		Coffee break
11:15	PANEL V	<i>Andrea Arcidiacono (Polimi)</i> , Chair of the panel Introduction to the session
11:15	<i>Giulio Podestà (BetaNit)</i>	Live presentation of the use of the microcar and the gantry for endoscopic recording inside physical models
11:30	<i>LabSimUrb (Polimi)</i>	Live Simulations using physical and digital models realized at the Laboratorio di Simulazione Urbana and by students in the following design studios at the Polimi: <i>Luigi Chiara, Joseph Di Pasquale, Nicola Gallino, Raffaele Pugliese, Laura Pogliani, Giulia Pesaro, Giampiero Spinelli, Andrea Arcidiacono</i>
13:00		Questions and comments

- *Day 2, Afternoon: Approaches and tools for improving urban design education and projects evaluation. Round table closing session*, open to the invited speakers, experts and professors aiming at discussing the presented works and delineate future research collaborations and seminars.

Friday, June 18, PM | venue: **Spazio Aperto Nave**

14:30	ROUND TABLE	<i>Patrizia Gabellini (Polimi)</i> , Chair Invited speakers: <i>Eckart Lange (University of Sheffield), Dominik Lengyel and Catherine Toulouse (Brandenburg University of Technology), Martijn Stellingwerff (TUDelft), Steve Tiesdell (University of Glasgow), Paola Caputo (Polimi) Fausto Curti (Polimi), Remo Dorigati (Polimi), Gianni Scudo (Polimi)</i>
		Questions and comments
17:00		Conclusion of the workshop