

13th International Conference on Innovation in Urban and Regional Planning

Methods, Models and Technologies for Future Cities and Regions

PAVIA, 8-10 September 2025

DETAILED PROGRAM

LOCAL ORGANIZING COMMITTEE

UPLab | Urban Project Laboratory
Department of Civil Engineering and
Architecture - DICAr
University of Pavia

Roberto De Lotto | Caterina Pietra |
Elisabetta Maria Venco

SCIENTIFIC COMMITTEE

Domenico Camarda – Polytechnic University of Bari
Michele Campagna – University of Cagliari
Valerio Cutini – University of Pisa
Roberto De Lotto – University of Pavia
Romano Fistola – University of Naples “Federico II”
Sabrina Lai – University of Cagliari
Daniele La Rosa – University of Catania
Beniamino Murgante – University of Basilicata
Caterina Pietra – University of Pavia
Elisabetta Maria Venco – University of Pavia
Corrado Zoppi – University of Cagliari

WEBSITE



MONDAY 08 SEPTEMBER 2025, 14:30 - 18:00

Aula Magna, University of Pavia - Address: Strada Nuova, 65

OPENING CEREMONY

13:30 Registration

14:30 Greetings and Institutional welcome

Francesco Svelto | Rector, University of Pavia

Andrea Penna | Director of the Department of Civil Engineering and Architecture - DICAr, University of Pavia

Serafino Carnia | Vice President of Pavia Province

Michele Lissia | Mayor of Pavia

Gian Michele Calvi | President of the Engineering Professional Associations of Pavia Province

Gian Luca Perinotto | President of the Architecture Professional Associations of Pavia Province

Massimiliano De Rose | President of the Lombardy Regional Council of Engineering Professional Associations

15:00 Keynote speeches

Carlo Ratti | Massachusetts Institute of Technology (MIT), Boston

Senseable Cities

The way we live, work, and play is very different today than it was just a few decades ago, thanks in large part to a network of connectivity that now encompasses most people on the planet. In a similar way, today we are at the beginning of a new technological revolution: the Internet is entering the physical space – the traditional domain of architecture and design – becoming an “Internet of Things” or IoT. As such, it is opening the door to a variety of applications that – in a similar way to what happened with the first wave of the Internet – can encompass many domains: from energy to mobility, from production to citizen participation. The contribution will address these issues from a critical point of view through projects by the Senseable City Laboratory, a research initiative at the Massachusetts Institute of Technology, and the design office Carlo Ratti Associati.

Chair: Roberto De Lotto, University of Pavia

Rachelle Alterman | Technion - Israel Institute of Technology, Haifa

Land-value Capture Instruments: Alternative and Conflicting Rationales

Local governments are increasingly unable to finance public services solely through taxation. International bodies such as the UN, World Bank, and OECD promote land value capture (LVC) as a complementary tool. Yet jurisdictions are often limited to a few instruments, each with distinct rationales that affect legitimacy and legal feasibility. This contribution presents a framework for classifying LVC mechanisms, exploring their legal bases and tensions with planning, administrative, or constitutional law. It also revisits the debated link between value capture and compensation rights, currently relevant in Belgium. Particular attention is given to negotiated agreements between developers and authorities, a growing yet legally uncertain practice in advanced economies, with comparative insights offered.

Chair: Sabrina Lai, University of Cagliari

Alessandro Aurigi | University of Plymouth, UK

Seven Questions for Urban AI

The incrementally accelerating research and development of Artificial Intelligence-based methods and tools for urban analysis and design is being accompanied by equally growing hype on the disruptive potential of this technology. Are we on the cusp of a re-invention of allegedly obsolete planning and urban design practices? Is the rise of AI in planning going to be a welcome and inevitable trajectory, or something to be resisted? This contribution raises questions not on the adoption (or non- adoption) of technology, but on its shaping. It looks at R&D examples from scientific papers and reflects on aspects of urban AI in relation to our epistemic stance, theory and previous knowledge, our understanding of agency in AI-fuelled planning, and other aspects at play. Doing so, it highlights how our conscious or unconscious choices in framing planning and design problems, and new approaches to them, can make a substantive difference in the futures we produce.

Chair: Romano Fistola, University of Naples “Federico II”

18:00 Guided tour of Pavia’s main attractions

CONFERENCE SESSIONS



S_01 AI and Machine Learning for Urban and Territorial Analysis and Forecast

ORGANIZER Scientific Committee

S_02 New Simulation Methods and Models

ORGANIZER Scientific Committee

S_03 Transition's Management: Ecological, Energetic, Economic

ORGANIZER Scientific Committee

S_04 3S City (Smart, Safe, Sustainable)

ORGANIZER Scientific Committee

S_05 How Is the City Moving? Tracking Flows and Enhancing Planning Policies

ORGANIZERS Maria Vittoria Corazza, Ilaria Delponte, and Chiara Garau

S_06 Innovations in the 15-Minute-City Approaches: Conceptual, Data-Driven, and Practical Developments Towards a Sustainable Urban Planning

ORGANIZERS Alfonso Annunziata, Socrates Basbas, Tiziana Campisi, Martina Carra, Barbara Caselli, Valerio Cutini, Ilaria Delponte, Chiara Garau, Emanuele Garda, Federico Mara, Beniamino Murgante, Alessandro Plaisant, Silvia Rossetti, Guilhermina Torrao, and Paola Zamperlin

S_07 Transforming Urban Future: Interactive Technologies and Energy Systems for Climate Neutrality and Resilience

ORGANIZERS Farshid Alizad, Nastaran Esmailpour Zanjani, Hadi Kheiri Gharajeh, Naghmeh Mohammadpourlima, and Kalan Ali Shokri

S_08 Geodesign for Local and Global Sustainability Challenges

ORGANIZERS Michele Campagna, Alfio Conti, Ana Clara Mourão Moura, and Francesco Scorza

S_09 Impact Assessment of Nature Based Solutions in Cities: Theoretical, Methodological, and Practical Perspectives

ORGANIZERS Michele Grimaldi, Daniele La Rosa, Marialuce Stanganelli, and Francesca Torrieri

S_10 Emerging Technologies in the Resilience and Safety of Sustainable Cities

ORGANIZERS Nastaran Esmaeilpour Zanjani, Hamid Daneshpajouh, Ezaz Fatemi, Ghazaleh Goodarzi, Seyed Ali Razavian Amrei, Gelareh Shahhosseini, and Yousef Ali Ziari

S_11 Circular Economy and Planning: Fostering Energy and Industrial Symbiosis in Cities and Ports

ORGANIZERS Ginevra Balletto, Giuseppe Borruso, Emilio Ghiani, Peter Kumer, Balázs Kulcsár, Mara Ladu, and Marina Zanne

S_12 Innovative Approaches and Data-driven Methodologies for Driving Sustainable and Inclusive Urban Regeneration

ORGANIZERS Lorena Fiorini, Angela Pilogallo, and Lucia Saganeiti

S_13 The Rise of Food Charity in Urban Areas: What Hope for the Right to Food?

ORGANIZER Valentina Cattivelli

TUESDAY 09 SEPTEMBER 2025, 09:30 - 18:00

Department of Civil Engineering and Architecture – DICAr - Address: Via Ferrata, 3
Building "Melanzana"*

SESSIONS SCHEDULE OVERVIEW

time CEST	ROOM 1	ROOM 3	ROOM 4	ROOM 5	ROOM 6	ROOM 7	ROOM 8
9:30–11:00	S_06	S_03_09	buffer	S_04	buffer		S_13
11:00–11:30	Coffee Break						
11:30–13:00	S_06	S_03_09	buffer	S_04	buffer	S_08	S_13
13:00–14:30	Lunch Break						
14:30–16:00	S_11	S_03_09	buffer	S_10	buffer	S_08	S_01
16:00–16:30	Coffee Break						
16:30–18:00			buffer	S_10	buffer	S_08	S_01
20:15	Social Dinner						

WEDNESDAY 10 SEPTEMBER 2025, 09:30 - 17:00

Department of Civil Engineering and Architecture – DICAr - Address: Via Ferrata, 3
Building "Melanzana"*

SESSIONS SCHEDULE OVERVIEW

time CEST	ROOM 1	ROOM 3	ROOM 4	ROOM 5	ROOM 6	ROOM 7	ROOM 8
9:30–11:00	S_02	buffer	buffer	S_05	buffer	S_12	S_07
11:00–11:30	Coffee Break						
11:30–13:00	S_02	buffer	buffer	S_05	buffer	S_12	S_07
13:00–14:30	Lunch Break						
14:30–17:00		Closing Ceremony					

*Check the venues section at the end of the program.

When not scheduled for sessions, free rooms may be used by participants for calls, internal meetings, etc.

TUESDAY 09 SEPTEMBER 2025, 09:30 - 13:00

Department of Civil Engineering and Architecture – DICAr - Address: Via Ferrata, 3
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MORNING PARALLEL SESSIONS

ROOM 1

S_06 | Innovations in the 15-Minute-City Approaches: Conceptual, Data-Driven, and Practical Developments Towards a Sustainable Urban Planning

Chair: Chiara Garau, University of Cagliari.

Discussants: Tiziana Campisi, University of Enna "Kore"; Barbara Caselli, University of Parma; Valerio Cutini, University of Pisa; Beniamino Murgante, University of Basilicata; Silvia Rossetti, University of Parma.

time CEST	Title	AUTHORS
09:30 - 11:00	Beyond 15 Minutes: a Taxonomy for the City of Proximity	Fulvia Pinto and Rosa Anna La Rocca
	Mismapped Cities: The Risks of Using Big-Data in Urban Planning	Federico Mara, Federica Deri, and Chiara Anselmi
	Reframing the 15-Minute City around Secondary Railway Stations: a Case Study of Roma Val d'Ala	Giovanni Tedeschi, Lea Jeanne Marinelli, and Barbara Caselli
	Enhancing Urban Accessibility through MaaS: Integrating Public Transport and Pedestrian Networks Analysis in the City of Naples	Gerardo Carpentieri, Carmela Gargiulo, Carmen Guida, and Floriana Zucaro
<i>Coffee break</i>		
11:30 - 13:00	The Development of DRT Services in the Era of Smart and Happy Cities: a Systematic Literature Review (SLR)	Tiziana Campisi, Giovanni Tesoriere, Antonio Russo, Guhilermina Torrao, and Chiara Spadaro
	Would You Walk along this Path? Data-driven Analysis and User Perceptions to Assess Walkability for Happy Cities	Federica Stabile, Martina Carra, and Silvia Rossetti
	Fractal Models for Public Transport Optimization: Facilitating Sustainable Tourism Access to "Cala Mariolu" in Sardinia (Italy)	Tazyeen Alam, Reza Askarizad, Mana Dastoum, Alessandro Plaisant, and Chiara Garau

TUESDAY 09 SEPTEMBER 2025, 09:30 - 13:00

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MORNING PARALLEL SESSIONS

ROOM 3

S_03_09 | Impact Assessment of Nature Based Solutions in Cities - Transition's Management: Ecological, Energetic, Economic

Chair: Sabrina Lai, University of Cagliari; Francesca Torrieri, Polytechnic of Milan.

Discussants: Michele Grimaldi, University of Salerno; Marialuce Stanganelli, University of Naples; Corrado Zoppi, University of Cagliari.

time CEST	Title	AUTHORS
09:30 - 11:00	Fostering Nature Based Solutions in Urban Planning. Results from a Systematic Literature Review	Alessandra Marra, Michela Sessa, Federica Cicalese, Michele Grimaldi, and Isidoro Fasolino
	Nature-Based Solutions for Urban Resilience and Regeneration: a Comparative Analysis of Case Studies and Application Perspectives	Alessandro Marucci and Valentina Tomei
	Green vs Biodiverse: The Implementation Gap of the EU 2030 Biodiversity Strategy Goals in European Green Capital Award-Winning Cities	Eloi Cahis I Reixach and Filippo Magni
	Nature-Based Solutions and Nutrient Retention: An Ontological Approach to Support Spatial Planning	Sabrina Lai
Coffee break		
11:30 - 13:00	Do Dense Cities Have Enough Space to Accommodate Nature-Based Solutions? A European Wide Data-based Approach for their Spatial Localization	Giulia Jelo, Riccardo Privitera, and Daniele La Rosa
	Impact Assessment of Nature-Based Solutions in Cities: Simulation of Urban Aquaponic Systems in Stradella (Pavia, Italy)	Omid Baban Zadeh and Roberto De Lotto
	Regulating Ecosystem Services and Climate Neutrality: Evidence from the Campania Region (Italy)	Federica Isola, Sabrina Lai, Francesca Leccis, Federica Leone, and Corrado Zoppi
	Mapping and Analyzing Ecosystem Service Hot-spots and their Correlations in the Campania Region, Italy	Federica Isola Sabrina Lai, Francesca Leccis, Federica Leone, and Corrado Zoppi

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MORNING PARALLEL SESSIONS

ROOM 5 **S_04 | 3S City (Smart, Safe, Sustainable)**

Chair: Roberto De Lotto, University of Pavia.

Discussants: Caterina Pietra, University of Pavia; Elisabetta Maria Venco, University of Pavia.

time CEST	Title	AUTHORS
09:30 - 11:00	Greening the Industrial Past: A Data-Driven Approach to Urban Brownfield Transformation	Adam Hamerla and Marcin Spyra
	A Sustainable-oriented Methodological Framework for the Development and Assessment of Urban Mobility Projects and Public Space. Application to a Case study	Elisa Occhini, Alessandro Plaisant, and Tanja Congiu
	The Knowledge Transfer of Cities as Complex Systems in Sustainable Urban Regeneration in Shanghai	Liu Kan, Chen Yi, and Roberto De Lotto
	Research on Coherences Between Healthy City Goals and Environmental Analysis	Caterina Pietra
<i>Coffee break</i>		
11:30 - 13:00	Assessing Spatial Vulnerability Throughout AHP: Flood Risk of Transportation Network in Pavia Province, Italy	Nastaran Esmaeilpour Zanjani, Roberto De Lotto, Caterina Pietra, and Elisabetta Maria Venco
	A Policy Brief for the Energy Regeneration of Public Housing Neighborhoods: Insights from a Case Study, Genoa	Fabrizio Bruno, Ilenia Spadaro, and Francesca Pirlone
	A Methodological Proposal About Risk Analysis by the DPSIR Model	Roberto De Lotto and Elisabetta Maria Venco

MORNING PARALLEL SESSIONS

ROOM 7

S_08 | Geodesign for Local and Global Sustainability Challenges

Chair: Michele Campagna, University of Cagliari.

Discussant: Iuliia Kozlova, University of Bologna.

time CEST	Title	AUTHORS
11:30 - 13:00	Multiscalar Data for Multiscalar Climate Planning: the GD-CURE Platform	Michele Campagna, Laura Tolu, and Abir Befradj
	Regional Climate Adaptation Strategy: GD-CURE Basilicata Workshop	Rachele Vanessa Gatto, Simone Corrado, Alfonso Annunziata, and Francesco Scorza
	Developing an Impact Model for Climate Adaptation Strategy Design: the Case Study of Basilicata Region, Italy	Francesco Rizzi, Mario Viola, Luca Mauriello, Alfonso Annunziata, Simone Corrado, Rachele Vanessa Gatto, and Francesco Scorza
	Supporting Decision-making for Climate Adaptation and Mitigation in the Basilicata Region, Italy	Chiara Garau, Alfonso Annunziata, and Francesco Scorza

MORNING PARALLEL SESSIONS

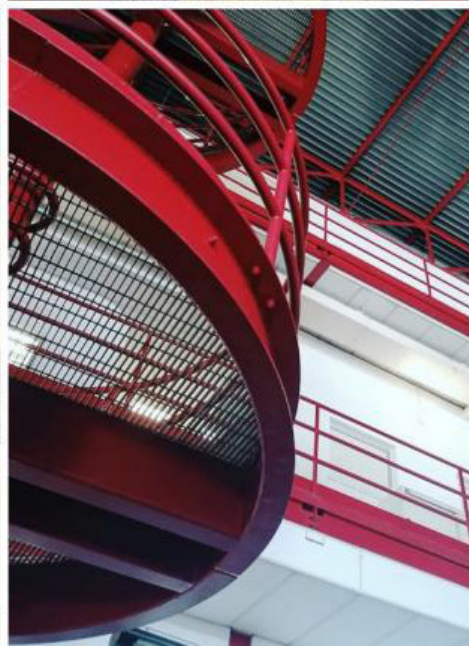
ROOM 8

S_13 | The Rise of Food Charity in Urban Areas: What Hope for the Right to Food?

Chair: Valentina Cattivelli, Pegaso Digital University and Polytechnic of Turin.

Discussants: Giulia Gioeli, Istituto Italiano per gli Studi Storici; Amaia Inza-Bartolomé, University of the Basque Country (EHU); Mayerly Roncancio Burgos, Universidad Politécnica de Madrid; Federica Scannavacca, Consorzio Universitario di Ricerca Socioeconomica e per l’Ambiente (CURSA); Giuseppina Bifulco, Università Milano Bicocca.

time CEST	Title	AUTHORS
09:30 - 11:00	Rural Finance and Food Charity. Genealogies and Trajectories from the Ancien Régime to International Cooperation	Giulia Gioeli
	Food Charity after COVID-19: Policies and Practices, From Emergency Response to Structural Reforms	Valentina Cattivelli
	Food Charity’s Convenience Frames	Amaia Inza-Bartolomé and Leire Escajedo San-Epifanio
Coffee break		
11:30 - 13:00	Analysis of Food Bank Beneficiaries’ Distribution in Spain and Their Correlation with the AROPE Index: Implications for Territorial and Urban Planning	Mayerly Roncancio Burgos and Ignacio de Los Ríos Carneando
	Mapping Food Insecurity in Italy: An Analysis of the Dynamics of Food Aid at Local Level	Federica Scannavacca, Lorenzo Caputo, Ilenia Manetti, and Davide Marino
	Between Charity and Rights: The Evolving Landscape of Urban Food Assistance	Giuseppina Bifulco, Veronica Allegretti, and Alessia Toldo



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AFTERNOON PARALLEL SESSIONS

ROOM 1

S_11 | Circular Economy and Planning: Fostering Energy and Industrial Symbiosis in Cities and Ports

Chair: Kulcsár Balázs, University of Debrecen.

Discussant: Lorena Fiorini, University of L'Aquila.

time CEST	Title	AUTHORS
14:30 - 16:00	Circular Economy, Industrial Symbiosis, Business Model Innovation and the Transition to Innovation Ecosystems. How Different Size Firms Can Collaborate Fostering a Sustainable Business?	Francesca Sinatra and Salvatore Dore
	The Role of Household Power Plants in Circular Municipal Energy Production – Through a Hungarian Case Study	Balázs Kulcsár, Ginevra Balletto, Mara Ladu, and Giuseppe Borruso
	Analyzing Urban Traffic Flows and Travel Patterns Using Automated Video-Based Classification	Danijel Hojski, Dejan Pejić, Mitja Kuhar, and Peter Kumer
	Sustainable Energy Transition and Carbon Footprint in Italian Insular Context	Mara Ladu, Ginevra Balletto, and Laura Corona

ROOM 3

S_03_09 | Impact Assessment of Nature Based Solutions in Cities - Transition's Management: Ecological, Energetic, Economic

Chair: Sabrina Lai, University of Cagliari; Francesca Torrieri, Polytechnic of Milan.

Discussants: Michele Grimaldi, University of Salerno; Marialuce Stanganelli, University of Naples; Corrado Zoppi, University of Cagliari.

time CEST	Title	AUTHORS
14:30 - 16:00	The Role of Urban Agendas for Planning and Design the Connectivity of a Sustainable Infrastructure. NBS for the Integrated Projects of The Metropolitan City of Cagliari	Alessandro Plaisant, Vincenzo Canu, and Tanja Congiu
	Application of the InVEST Model to Calculate the Heat Mitigation of Green and Blue Elements in Urban Parks	Nicoletta Denaro, Daniele La Rosa, Anacleto Rizzo, and Riccardo Privitera
	Assessment of Ecosystem Services Values of Nature-Based Solutions in Nitrate Vulnerable Zones: The Case of Arborea	Chiara Moretti, Alberto Carletti, Giacomo Lai, and Elisabetta Strazzera

AFTERNOON PARALLEL SESSIONS

ROOM 5 S_10 | Emerging Technologies in the Resilience and Safety of Sustainable Cities

Chair: Nastaran Esmaeilpour Zanjani, University of Pavia.

Discussants: Hamid Daneshpajouh, Technical University of Ankara; Caterina Pietra, University of Pavia; Mahkameh Fattahi, Emirates Green Building Council (EGBC); Naghmeh Mohammadpourlima, Åbo Akademi University.

time CEST	Title	AUTHORS
14:30 - 16:00	Evaluating the Impact of Urban Density on Environmental Resilience Through Green Infrastructure: A Spatial Comparative Study of Tehran's Districts 6 and 10	Yousef Ali Ziari and Mahkameh Fattahi
	Spatial Analysis for Rapid Assessment of Avalanche Hazard Levels: A Decision Support System for Planning	Sara Pietrangeli, Ida Maiello, Lucia Saganeiti, Lorena Fiorini, Daniela Ronconi, and Alessandro Marucci
	Innovative Approaches in Contemporary Iranian Architecture in Europe to Increase the Resistance and Resilience of Sustainable and Crisis-prone Cities (Case Study: Mercedes-Benz Building, Italy and Fame City, USA)	Ghazaleh Tarkalam, Efisio Pitzalis, Hamid Daneshpajouh, Omid Jeddi Farzaneh, and Saeideh Barzegari
	Assessing Climate Resilience of Urban Energy Infrastructure in Tehran	Seyed Ali Razavian Amrei, Nastaran Esmaeilpour Zanjani, and Alireza Kamal
Coffee break		
16:30 - 18:00	The Regional Digital Twin for Spatial and Disaster Risk Planning	Sara Sacco, Federico Eugeni, and Donato Di Ludovico
	Urban Governance Model Based on ESG Principles in the 15 Minutes City	Ghazaleh Goodarzi, Nastaran Esmaeilpour Zanjani, and Saeed Esmaeilpour
	Machine Learning-Driven Urban Development Based on Land Subsidence: Isfahan, Iran	Gelareh Shahhosseini, Ezaz Fatemi, Saman Gheidi, Mohammadreza Sartipi, Nastaran Esmaeilpour Zanjani, and Negar Movahedi Matin

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AFTERNOON PARALLEL SESSIONS

ROOM 7

S_08 | Geodesign for Local and Global Sustainability Challenges

Chair: Michele Campagna, University of Cagliari.

Discussants: Iuliia Kozlova, University of Bologna; Francesco Scorza, University of Basilicata.

time CEST	Title	AUTHORS
14:30 - 16:00	The Co-creation Process in Geodesign as a Contribution to Territorial Planning – Case Studies of Florianópolis Island and the Iron Quadrangle	Francisco Henrique de Oliveira, Julia Cararo Lazaro, Ana Clara Mourão Moura, Silvio Romero Fonseca Motta, and Marina Magalhães de Castro
	Watercentric Planning Using Data-Driven and Human-Driven Approaches in Geodesign	Joana Guedes, João Alexandrino, Ana Clara Mourão Moura, Newton Moura, Vitória Moraes Moreira, Camila Fernandes de Moraes, and Felipe Andrade Ferreira
	Geodesign for Fire Risk Management in Ouro Preto, a Historical City in Brazil	Erika Esteves Lasmar, Ana Clara Mourão Moura, Gustavo von Krüger, Christian Rezende Freitas, and Tiago Marino
	Geodesign as a Tool to Support Urban Planning Aimed at Improving Walkability for the Elderly in Historic Cities	Ana Luíza Rodrigues da Silva Santos, Daniela Antunes Lessa, Bárbara Abreu Matos, Ana Clara Mourão Moura, and Mateus Gonçalves da Silva

Chair: Francesco Scorza, University of Basilicata.

Discussants: Michele Campagna, University of Cagliari; Francisco Henrique de Oliveira, State University of Santa Catarina.

time CEST	Title	AUTHORS
16:30 - 18:00	Unlocking the Climate-Mitigation Potential of Abandoned land: Metropolitan area of Bologna, Italy	Iuliia Kozlova, Elisa Conticelli, Simona Tondelli, and Ana Clara Mourão Moura
	Geodesign in Transformative Approaches and Collaborative Scenarios: Climate Changes and Co-created Futures for Venice	Gianfranco Pozzer, Giacomo Nardini, and Ana Clara Mourão Moura
	Climate Changes in Urban Dense Areas: Central-South of Belo Horizonte, Brazil	Ana Clara Mourão Moura, Silvio Motta, Charles Rezende Freitas, Felipe Andrade Ferreira, and Vitória Moraes Moreira

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AFTERNOON PARALLEL SESSIONS

ROOM 8

S_01 | AI and Machine Learning for Urban and Territorial Analysis and Forecast

Chair: Romano Fistola, University of Naples "Federico II".

Discussants: Valerio Cutini, University of Pisa; Fulvia Pinto, Polytechnic of Milan.

time CEST	Title	AUTHORS
	Spatial Crime Impedance: a Machine Learning Approach to Determine Risky Places	Federico Mara, Federico Falasca, Chiara Di Dato, and Valerio Cutini
14:30 - 16:00	Applying Object Recognition AI to Social Media Contents to Improve Cultural Landscape for Sustainable Tourism. The Case Study of the Winter Olympic Games 2026 in Milan	Tiziano Cattaneo, Francesco Grugni, and Marco Voltolina
	Urban Planning in the Age of AI: Theoretical Approaches and Perspectives	Romano Fistola and Ida Zingariello
Coffee break		
16:30 - 18:00	From Strategy to Implementation: Lexical Analysis of RECs Legislation in the EU and Italy	Valerio Martinelli, Gerardo Carpentieri, and Carmela Gargiulo
	Integrating Geographically Weighted Regression and Geospatial Clustering for Urban Energy Planning: a Case Study in Naples	Gerardo Carpentieri, Carmela Gargiulo, Carmen Guida, and Floriana Zucaro



TUESDAY
09 SEPTEMBER 2025
h 20:15



Social Dinner

Rimani Restaurant
Viale Lungo Ticino Visconti, 8

MORNING PARALLEL SESSIONS

ROOM 1

S_02 | New Simulation Methods and Models

 Chair: Daniele La Rosa, University of Catania.

 Discussants: Roberto De Lotto, University of Pavia; Caterina Pietra, University of Pavia; Elisabetta Maria Venco, University of Pavia.

time CEST	Title	AUTHORS
09:30 - 11:00	Simple Structures to Tackle Complex Problems	Rachele Vanessa Gatto, Jörg Rainer Noennig, and Francesco Scorza
	Not Just Urban, No Longer Rural: a Method for Classifying the Contemporary Urban - Rural Areas	Giampiero Lombardini and Simone Lombardini
	Hurban Hierarchy Distributions: Zipf vs Sigmoid	Simone Lombardini and Giampiero Lombardini
	Cultural Heritage Documentation: Applying Holistic Interdisciplinary Approach for Sustainable Conservation and Management	Gireesh Kumar Thekkum Kara and Olimpia Niglio
Coffee break		
11:30 - 13:00	Public Spaces and Urban Intelligence. Integration of Social, Physical, and Digital Components	Ferdinando Verardi
	Spatial Organization of Tourism Services: A Graph-based Point Pattern Analysis Approach	Simone Corrado, Dino Molinaro, and Francesco Scorza
	Simulating Spatial Coupling of Residential Metro Stations in Shanghai A Dual-dimensional Model of Accessibility and Streetscape Experience for Regional Regeneration	Yin Zecheng and Liu Kan

MORNING PARALLEL SESSIONS

ROOM 5 S_05 | How Is the City Moving? Tracking Flows and Enhancing Planning Policies

Chair: Ilaria Delponte, University of Genoa.
Discussant: Valentina Costa, University of Genoa.

time CEST	Title	AUTHORS
09:30 - 11:00	Exploring Mobility Barriers for Deaf Travelers Through Preliminary Survey Findings	Sara Faedda
	Gaps in Access and Availability of Data for the Georeferenced Description of Mobility Flows and Network Geometry. An Overview of Open-source Data Availability in Italy: Initial Evidence from the MAC4TI Project	Valentina Costa and Daniele Soraggi
	Nudging Sustainable Mobility Data-sharing: How Digital Applications May Support Targeted Planning Initiatives	Valentina Costa and Federico Campanini
Coffee break		
11:30 - 13:00	Chasing Mobility Habits: a Comparative Analysis of Survey Design Processes to Track University Communities' Flows in Genoa and Catania	Valentina Costa, Michela Le Pira, Ilaria Delponte, and Giuseppe Inturri
	Hide and Track: Assisted Interviews Investigating Users' Mobility Habits, Genoa Smart City Case-study	Valentina Costa and Ilaria Delponte
	Discriminant Analysis of Smart City Profiles Across Countries: A Multivariate Approach	Tommaso Filì, Tiziano Pavanini, Enrico Ivaldi, and Enrico Musso

WEDNESDAY 10 SEPTEMBER 2025, 09:30 - 13:00

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MORNING PARALLEL SESSIONS

ROOM 7

S_12 | Innovative Approaches and Data-driven Methodologies for Driving Sustainable and Inclusive Urban Regeneration

Chair: Lorena Fiorini, University of L'Aquila.

Discussant: Angela Pilogallo, Institute of Methodologies for Environmental Analysis – CNR-IMAA, Lucia Saganeiti, Institute of Methodologies for Environmental Analysis – CNR-IMAA.

time CEST	Title	AUTHORS
09:30 11:00	GeosciencesIR Research Infrastructure: Integrated Monitoring and Data-driven tools for Sustainable Territorial Planning in Italy	Cristina Montaldi, Gianni Di Pietro, Annamaria Felli, Vanessa Tomei, Emilio Marziali, and Francesco Zullo
	Valuing Social Impacts of Renewable Energy Communities Projects: a Choice Experiments Study in a Shrinking Rural Area	Giacomo Lai, Chiara Moretti, Daniela Pappadà, Giovanni Sistu, and Elisabetta Strazzera
	Regional Regeneration in Fragile Contexts	Giulia Pasetti
	Integrating Risk Reduction and Local Development Strategies: Case Study of the Historic Town of Pollenza	Giovanni Marinelli, Sara Galassi, Eleonora Fiorini, and Luca Domenella
<i>Coffee break</i>		
11:30 13:00	Can the Combined Use of Ecosystem Services and Space Syntax Measures Help to Investigate Urban Vulnerabilities? The Case Study of Perugia, Italy	Federico Falasca, Alessandro Marucci, and Federico Mara
	A Practical Tool for Resilience Assessment in Inner Areas	Camilla Salve
	Urban Regeneration in Inner Areas. The Study Case of Gran Sasso National Park	Camilla Sette

WEDNESDAY 10 SEPTEMBER 2025, 09:30 - 13:00

Department of Civil Engineering and Architecture – DICAr - Address: Via Ferrata, 3
Building "Melanzana"

MORNING PARALLEL SESSIONS

ROOM 8

S_07 | Transforming Urban Future: Interactive Technologies and Energy Systems for Climate Neutrality and Resilience

Chair: Naghmeh Mohammadpourlima, Åbo Akademi University.

Discussants: Nastaran Esmailpour Zanjani, University of Pavia; Ali Shokri Kalan, University of Vaasa.

time CEST	Title	AUTHORS
09:30 - 11:00	The Potential of Virtual Reality Games to Foster Eco-Friendly Behavior	Naghmeh Mohammadpourlima, Farshid Alizad, Homa Hosseini, Xiaoshu Lü, and Mikael Nygård
	Innovation in Urban Planning: European Climate Startups Fostering Mitigation and Adaptation	Stella Pennino and Romano Fistola
	Multi-Temporal Sentinel-2 and Machine-Learning Assessment of Lake Urmia Restoration Dynamics	Hadi Kheiri Gharajeh, Ola Elwasila Abdelrahman Yousif, and Daniel Sahebi
	Comparative Climate Action Strategies: Helsinki and Vaasa on the Road to Carbon Neutrality	Naghmeh Mohammadpourlima, Mikael Nygård, and Mehdi P. Heris
<i>Coffee break</i>		
11:30 - 13:00	Flood Hydrology Shifts in the Savio Catchment Under Hydroclimatic Variability	Farshad Jahangiri, Ramin Ahmadi, Daniel Sahebi, Elnaz Bayat, and Ali Shirgir
	Evaluating Solar Energy Potential for Power, Heat, and Green Hydrogen Production: Exergy and Dynamic Analysis Across Italy	Mohammadreza Babaei Khuyinrud, Ali Shokri Kalan, Xiaoshu Lü, and Mehran Ahmadi
	Investigating the Correlation Between Land Surface Temperature and Air Pollutants in Tehran (2019–2023)	Mehdi Ebadi, Farshid Alizad, Armin Nakhjiri, and Naghmeh Mohammadpourlima
	Attribution of Runoff Variability to Climate and Human Drivers	Ramin Ahmadi, Farshad Jahangiri, Daniel Sahebi, Ali Shirgir, Elnaz Bayat Khajeh, and Ali Gholinia

WEDNESDAY 10 SEPTEMBER 2025, 14:30 - 17:00

Department of Civil Engineering and Architecture – DICAr - Address: Via Ferrata, 3
Building "Melanzana" - Room 3

CLOSING CEREMONY

14:30 Round table: INPUT Through the Years

The three founding Fathers of INPUT – **Prof. Giuseppe Las Casas**, **Prof. Dino Borri**, and **Prof. Arnaldo Cecchini** – will each address a key theme that has characterized their research over time and that has also represented the backbone of INPUT past, present, and future. After their presentations, there will be space for a general discussion with participants.

Chair: Corrado Zoppi, University of Cagliari

16:30 The program will continue with the **Best Paper Award** and the **Best Paper Under 40 Award ceremony**, followed by the handover for the XIV edition of INPUT.

17:00 Final greetings.



CONFERENCE VENUES

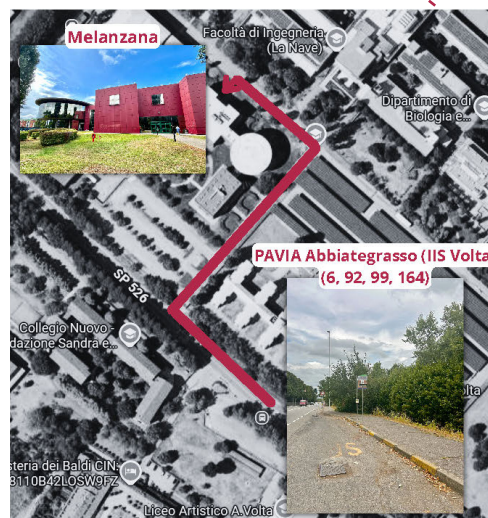
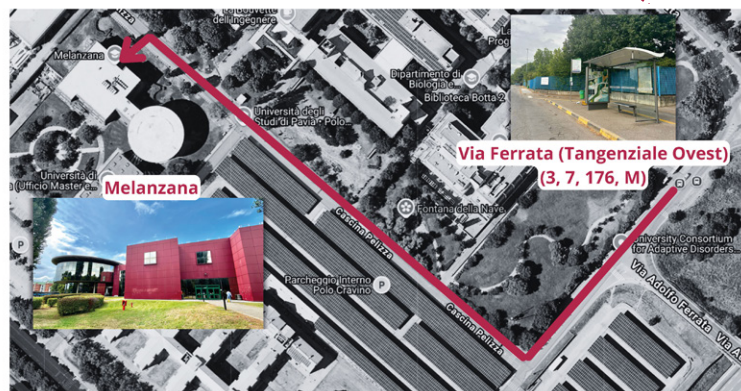
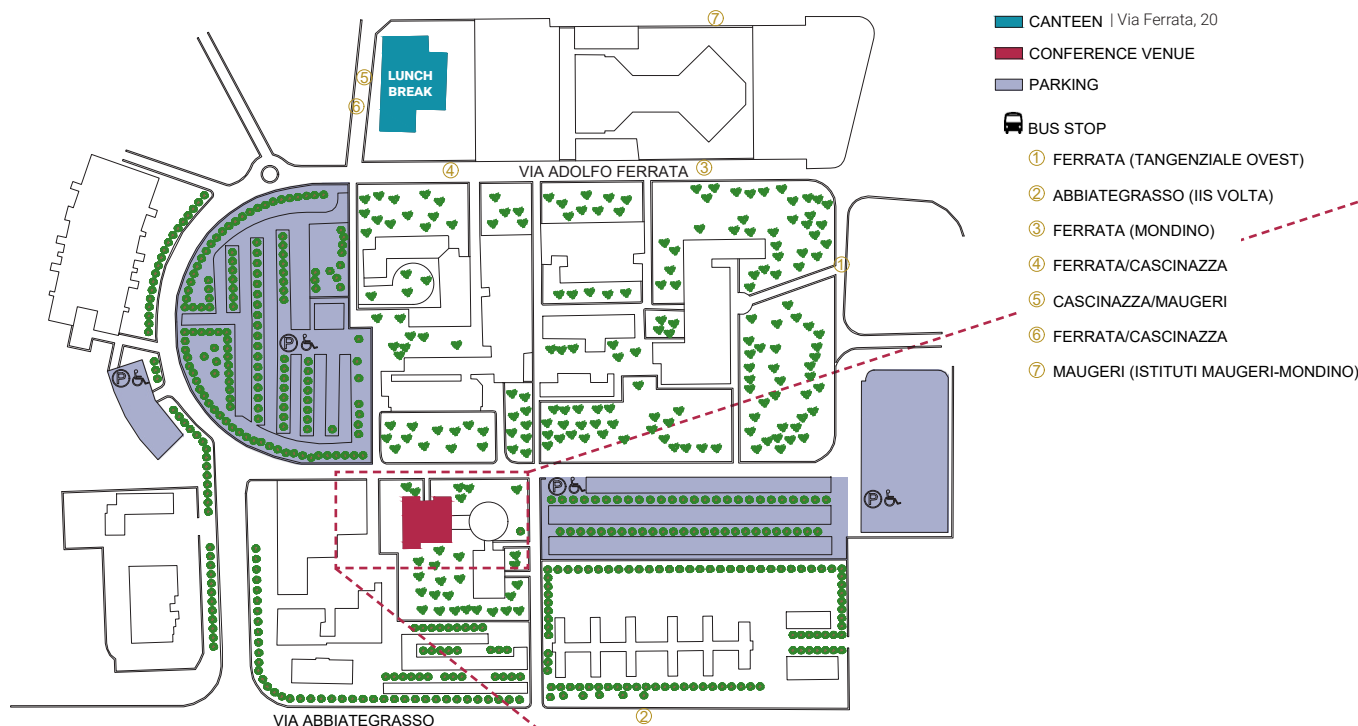
MONDAY 10 SEPTEMBER 2025, 14:30 - 18:00

*You'll find the Conference registration desk
in front of the entrance of the Aula Magna.
Registrations start at 13:30 CEST.*

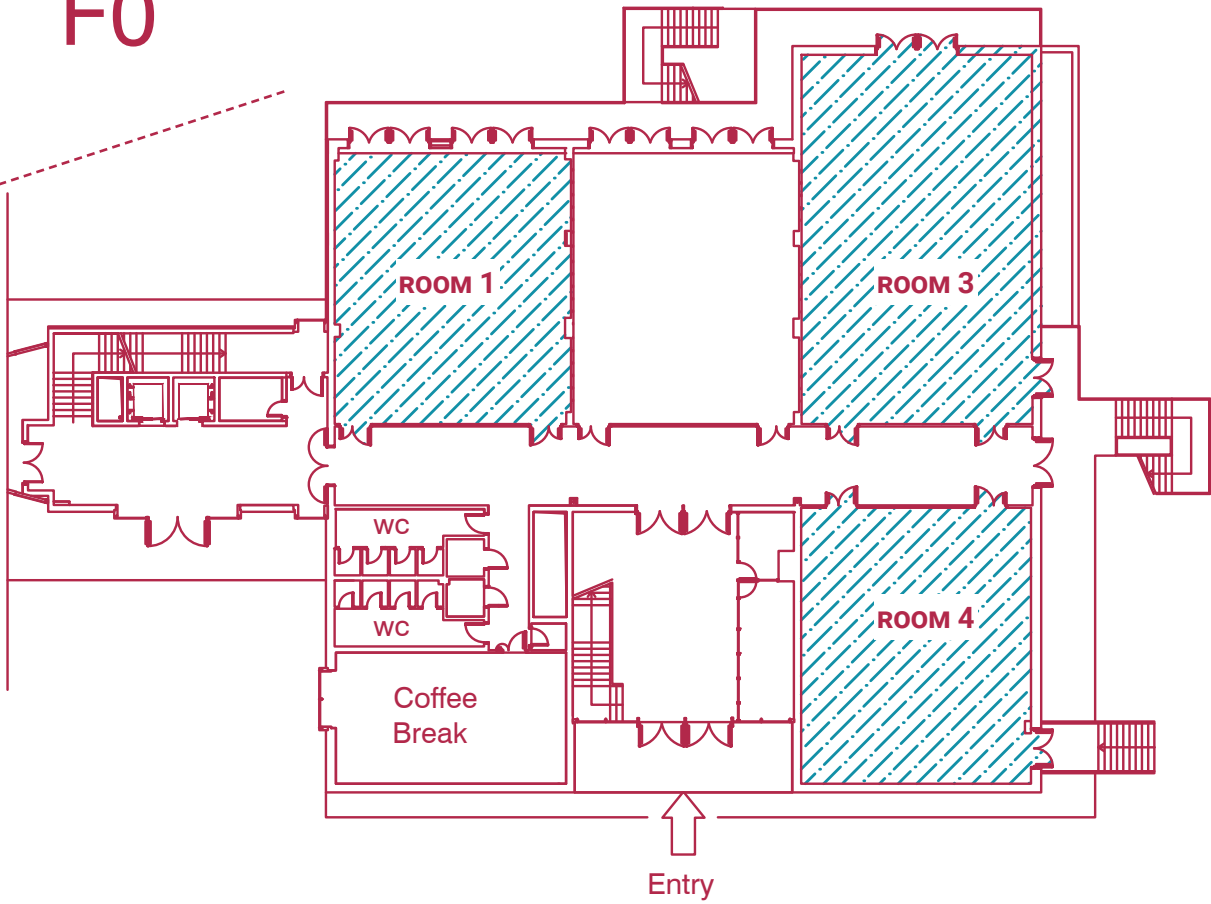


CONFERENCE VENUES

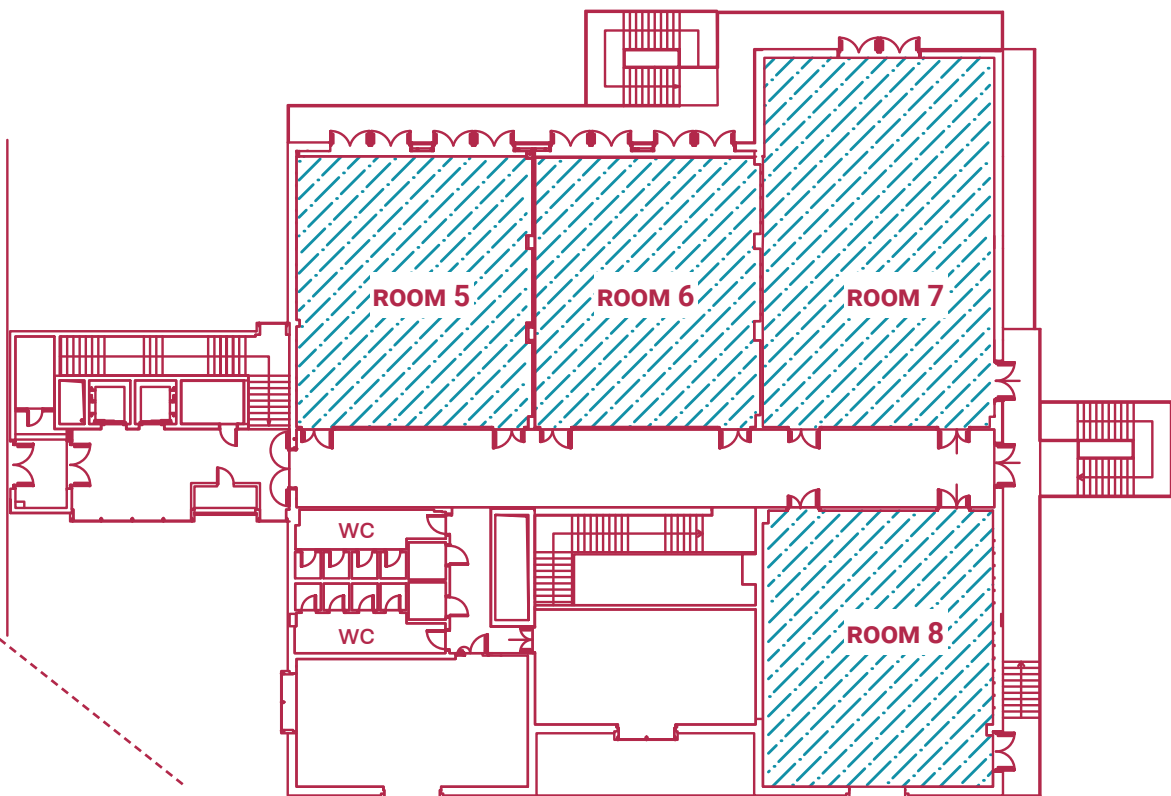
TUESDAY 09 SEPTEMBER 2025, 09:30 - 18:00
WEDNESDAY 10 SEPTEMBER 2025, 09:30 - 17:00



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