

The conference presents the results of the Urban Nexus research, funded by the University of Bergamo within the Excellence Initiatives Program and coordinated by the Center for Territorial Studies in collaboration with the Departments of Foreign Languages, Literatures and Cultures, and Management, Information and Production Engineering.

This research promoted a partnership with two foreign universities, the EPFL (Ecole Polytechnique Fédérale de Lausanne) and the Anglia Ruskin University of Cambridge and was supported by ISTAT in Rome (working group on smart cities and Big Data) and from the CNR-IREA in Milan.

Starting from the dynamism of the "city" in the Age of globalization and its polycentric and reticular configuration, the research has investigated the use of Big Data in socio-territorial analysis and has experimented with new algorithms able to process and visually communicate the complexity of information. Following the data-driven science paradigm, which integrates the knowledge of computer science with territorial sciences, some interpretations and elaborations have been produced and compared with those coming from data collected by public institutions. The aim is to trace the dynamism of the inhabitants and to show the polarity of urban nodes. The research covered the new forms of public space - the so-called "hyper places" such as shopping centers, airports, stations, attraction parks, cultural sites - and urban mobility that are also reconfiguring medium-sized cities like Bergamo, Lausanne and Cambridge. Both the complexity and the potential of a multidisciplinary group have become evident to conceive hybrid methodologies and analytical approaches, able to merge the interpretative skills of geographers and local analysts with those of the computational systems of engineers.

The conference presents to international experts the results achieved by the network of researchers and offers to the public and private actors of the territory a platform of ideas and reflections in the sign of technological transfer to which the University of Bergamo responds as action of Public Engagement.

Conference organising committee:
CST-DiathesisLab, Università degli Studi di Bergamo
www.unibg.it/diathesis - diathesis@unibg.it - 0352052210

Joining the initiative:



An event organised by:



A research coordinated by:



In collaboration with the Departments of:

Foreign Languages, Literatures and Cultures

Management, Information and Production Engineering



unibg
1968 > 2018

In partnership with:



International Conference



URBAN NEXUS

CITIES AND HYPER PLACES

Second Annual Conference
CST - Centro Studi sul Territorio

28-29 September 2018

Aula Magna, Piazzale Sant'Agostino, Università degli Studi di Bergamo



P R O G R A M

Friday 28 September

09.00 Opening session and welcome speeches

9:30-13:00 First Session URBANITY AND "HYPER PLACES"

Introduces and coordinates: **Emanuela Casti**, Director of Centro Studi sul Territorio, Università degli Studi di Bergamo

Jacques Lévy, EPFL di Losanna/Université de Reims
Reti e territori dell'urbanità: una complicità necessaria

Michel Lussault, Ecole Normale Supérieure de Lyon
A Global World of local "Hyper Places"

Franco Farinelli, Università degli Studi di Bologna
Lo spazio, lo schema, l'algoritmo e la città

Discussant:
Girolamo Cusimano, Università degli Studi di Palermo

14:30-18:00 Second Session BIG DATA AND URBAN ANALYSIS

Coordinates: **Paolo Buonanno**, Vice-Chancellor for Scientific Research, Università degli Studi di Bergamo

Nadia Mignolli, ISTAT
Nuove fonti di dati per l'analisi e l'orientamento delle politiche a livello locale

Gloria Bordogna, Andrea Ceresi, CNR-IREA Milano
Uno strumento di facile utilizzo per supportare i decisori nel controllo del territorio con informazioni da telerilevamento

Alamgir Hossain, Anglia Ruskin University di Cambridge
Big Data Research and Analytics for urban analysis

Giuseppe Psaila, Università degli Studi di Bergamo
Strumenti di raccolta e analisi dei Big Data per lo studio della mobilità urbana

Discussant:
Andrea Riggio, Università degli Studi di Cassino e del Lazio meridionale

Saturday 29 September

9:30-12:30 Third Session BIG DATA AND MOBILITY

Coordinates: **Alessandra Ghisalberti**, Università degli Studi di Bergamo

Federica Burini, Daniele Mezzapelle, Università degli Studi di Bergamo
L'uso dei Big Data in Geografia per comprendere la mobilità degli abitanti

Khin Lwin, Anglia Ruskin University
Big Data Analytics with a Particular Focus on Crowd Mobility

Thibault Romany, EPFL di Losanna
Hologrammatic Place: Measuring Urbanity

Discussant:
Fulvio Adobati, Università degli Studi di Bergamo

12:30-13:30 CONCLUSIONS AND PERSPECTIVES

Emanuela Casti, Università degli Studi di Bergamo

Alamgir Hossain, Anglia Ruskin University di Cambridge

Jacques Lévy, EPFL di Losanna/Université de Reims