



THE ATHENS INSTITUTE FOR EDUCATION AND RESEARCH

# Abstract Book:

7<sup>th</sup> Annual International Conference on  
**Urban Studies & Planning**  
5-8 June 2017, Athens, Greece

Edited by  
Gregory T. Papanikos

2017



Abstracts  
7<sup>th</sup> Annual International  
Conference on  
Urban Studies & Planning  
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Edited by Gregory T. Papanikos

First Published in Athens, Greece by the Athens Institute for Education and  
Research.

ISBN: 978-960-598-125-9

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## Preface

This book includes the abstracts of all the papers presented at the *7<sup>th</sup> Annual International Conference on Urban Studies & Planning, 5-8 June 2017, Athens, Greece* organized by the Athens Institute for Education and Research (ATINER). In total 44 papers were submitted by over 50 presenters, coming from 15 different countries (Australia, Austria, China, Colombia, Czech Republic, France, Israel, Italy, Japan, Portugal, South Korea, Spain, Turkey, UAE and USA). The conference was organized into 16 sessions that included a variety of topic areas such as urban structuring, landscapes, innovations, and more. A full conference program can be found beginning on the next page. In accordance with ATINER's Publication Policy, the papers presented during this conference will be considered for inclusion in one of ATINER's many publications.

The purpose of this abstract book is to provide members of ATINER and other academics around the world with a resource through which to discover colleagues and additional research relevant to their own work. This purpose is in congruence with the overall mission of the institute. ATINER was established in 1995 as an independent academic organization with the mission to become a forum where academics and researchers from all over the world could meet to exchange ideas on their research and consider the future developments of their fields of study.

It is our hope that through ATINER's conferences and publications, Athens will become a place where academics and researchers from all over the world regularly meet to discuss the developments of their discipline and present their work. Since 1995, ATINER has organized more than 400 international conferences and has published nearly 200 books. Academically, the institute is organized into seven research divisions and forty research units. Each research unit organizes at least one annual conference and undertakes various small and large research projects.

For each of these events, the involvement of multiple parties is crucial. I would like to thank all the participants, the members of the organizing and academic committees, and most importantly the administration staff of ATINER for putting this conference and its subsequent publications together.

**Gregory T. Papanikos**  
**President**



**FINAL CONFERENCE PROGRAM**  
**7<sup>th</sup> Annual International Conference on Urban Studies & Planning,**  
**5-8 June 2017 Athens, Greece**

**PROGRAM**

**Conference Venue: Titania Hotel, 52 Panepistimiou Avenue, Athens, Greece**

**C O N F E R E N C E P R O G R A M**

**08:00-09:00 Registration and Refreshments**

**09:00-09:30 (Room D-10<sup>th</sup> Floor) Welcome and Opening Address**

Gregory T. Papanikos, President, ATINER.

**09:30-11:00 Session I (Room D-10<sup>th</sup> Floor):  
Urban Structuring**

**Chair:** Nicholas N. Patricios, Vice President of Strategic Planning & Analysis, ATINER and Professor & Dean Emeritus, School of Architecture, University of Miami, USA.

1. Alan Frishman, Professor, Hobart and Wm. Smith Colleges, USA. Tracing Kano's Population and Spatial Growth.
2. Lina Martinez, Professor, Universidad Icesi, Colombia. The Surge of Night Economy in the Global South: The Case of Cali, Colombia.
3. Apostolos Kyriazis, Assistant Professor, Abu Dhabi University, UAE. The Evolution of Abu Dhabi's Superblocks: From Modernist Pragmatism to Regeneration Efforts.
4. Nguyen Hoang Linh, PhD Candidate, Southeast University, China. Dalat's City Planning under the French Colonial Era (1899-1944).

**09:30-11:00 Session II (Room E-10<sup>th</sup> Floor): Policy**

**Chair:** Virginia Sisiopiku, Associate Professor, The University of Alabama at Birmingham, USA.

1. Gurvan Branellec, Associate Professor, Brest Business School, France. Why Maritime Actors have Tried to Standardize Contracts and Support Arbitration Jurisdictions. How such Practices Contribute to a soft Uniformity of the Law?
2. Mi Sun Park, Assistant Professor, Konkuk University, South Korea & Hyowon Lee, Professor, Seoul National University, South Korea. Policy and Law for Urban Green Space Management in South and North Korea.
3. Belinda Robson, Senior Policy Advisor, Yarra City Council, Australia. Re-imagining Density in an Inner City Suburb of Melbourne: From 'Dangerously Overcrowded' to 'Urban Consolidation'.

**11:00-12:30 Session III (Room D-10<sup>th</sup> Floor):  
A Panel on Drawing and Representation:  
Environment-Landscape-City I**

**Chair:** Giulia Pellegrini, Associate Professor, Architecture-Polytechnic School, University of Genoa, Italy.

1. Patrizia Falzone, Professor, University of Genoa, Italy. Color Landscape Architecture in the Ancient Mediterranean World.
2. Luisa Chimenz, Adjunct Professor / Lecturer, University of Genoa, Italy & Eran Lederman, Senior Lecturer, Bezalel Academy of Arts and Design, Israel. Community as a Key-Player in Disaster Mitigation.
3. Nicoletta Sorrentino, Tutor / Assistant, Università degli Studi di Genova, Italy. The Design of Spaces for Young Children

**11:00-12:30 Session IV (Room E-10<sup>th</sup> Floor): Travel Behavior**

**Chair:** Belinda Robson, Senior Policy Advisor, Yarra City Council, Australia.

1. Virginia Sisiopiku, Associate Professor, The University of Alabama at Birmingham, USA. Travel Patterns and Preferences of Urban University Students.
2. Zhuoran Shan, Associate Professor, Huazhong University of Science and Technology, China & Yaping Huang, Dean, Huazhong University of Science and Technology, China. "Sub-region Life Circle" in Chinese Big Cities based on Human High-probability Daily Activity and Mobility: Characteristic and Formation Mechanism – Evidence from

<p>and Preschool in Emergency.</p> <p>4. Francesca Salvetti, Architect, University of Genova, Italy. Perception and Vision of Coastal Cities such as Method of Knowledge for Area's Identity Valorization.</p> <p>5. Sara Eliche, PhD Student, University of Genova, Italy. From Matter to Architecture, Building with Sustainability.</p>	<p>Wuhan.</p> <p>3. Matthew Zenkteler, PhD Candidate, University of Queensland, Australia. Home based Work in Cities: In Search for Appropriate Urban Planning Response.</p>
<p><b>12:30-14:00 Session V (Room D-10<sup>th</sup> Floor): A Panel on Drawing and Representation: Environment-Landscape-City II</b></p>	<p><b>12:30-14:00 Session VI (Room E-10<sup>th</sup> Floor): Transportation Operations</b></p>
<p><b>Chair:</b> Patrizia Falzone, Professor, University of Genova, Italy.</p>	<p><b>Chair:</b> Deb Newberry, Director, Dakota County Technical College and Principal Investigator, Nano-Link, USA.</p>
<p>1. <u>Mona Omar</u>, PhD Student, National Museum of Natural History (MNHN), France &amp; Nathalie Machon, Professor, National Museum of Natural History (MNHN), France. Drivers of Urban Plant Communities Found at the Base of Alignment Trees.</p> <p>2. *Matteo Giuseppe Romanato, Student, Università degli Studi di Milano, Italy. A Grassroot Look on the Landscape. The Challenge of the Digital City.</p> <p>3. Michela Scaglione, Professor, Università degli Studi di Genova, Italy. The Colour of Contemporary Landscapes: The Representation for the Project of the Urban Margins.</p>	<p>1. Essam Radwan, Professor and CATSS Director, University of Central Florida, USA. Pedestrian Safety at Mid-Block Crossings Based on Driving Simulation Experiment.</p> <p>2. <u>Man Yuan</u>, PostDoc, Huazhong University of Science and Technology, China &amp; Yaping Huang, Dean, Huazhong University of Science and Technology, China. Evaluating the Impacts of Compact Growth on Traffic Emissions and Exposure to Air Pollution in High-Dense Areas with a Land Use-Transport-Emission Integrated Model, a Case Study of Xiamen, China.</p>
<p><b>14:00-15:00 Lunch</b></p>	
<p><b>15:00-16:30 Session VII (Room E-10<sup>th</sup> Floor): Enabling Technologies</b></p>	
<p><b>Chair:</b> Jun Mitarai, Professor, Kyoto University, Japan</p>	
<p>1. Vadivel Jagasivamani, Research Assistant Professor, Hampton University, USA. Interpreting Corrosion Activities in Reinforced Concrete Structures of Highway Bridges, Using Acoustic Emission Techniques.</p> <p>2. <u>Rahmad Sadli</u>, PhD Student, University of Valenciennes, France, Yassin El Hillali, Associate Professor, University of Valenciennes, France, Laila Sakkila, Researcher, University of Valenciennes, France, Atika Rivenq, Professor, University of Valenciennes, France &amp; Charles Tatkeu, Professor, Institut Français des Sciences et Technologies des Transports, France. The 4<sup>th</sup> Order Statistics on Ultra Wideband Short-Range Radar (UWB-SRR) for Cyclist Detection.</p>	
<p><b>16:30-18:00 Session VIII (Room E-10<sup>th</sup> Floor): Methodology</b></p>	
<p><b>Chair:</b> Matthew Zenkteler, PhD Candidate, University of Queensland, Australia.</p>	
<p>1. <u>Jun Mitarai</u>, Professor, Kyoto University, Japan &amp; <u>Naphasinee Suebsuk</u>, Teaching Assistant, Kyoto University, Japan. Analysis of a Nationwide Area-Based Management Survey in Japan.</p> <p>2. Emilia Malcata Rebelo, Assistant Professor, University of Porto, Portugal. Contemporary Urban Development in the Global Area: A Methodological Assessment.</p>	

3. Elif Kirpik, Research Assistant, Yildiz Technical University, Turkey & Buket Aysegul Ozbakir, Associate Professor, Yildiz Technical University, Turkey. Development of a Public Participatory GIS Platform for Urban Transformation Projects: A Case Study in Kadikoy Historical Center.

**18:00-19:30 Session IX (Room E-10<sup>th</sup> Floor): A Roundtable Discussion on Teaching Urban Planning and Architecture in a Global World**

**Chair:** Nicholas N. Patricios, Professor & Dean Emeritus, School of Architecture, University of Miami, USA.

1. **Lina Martínez**, Professor, Universidad Icesi Cali, Colombia. Happy City.
2. **Takashi Nakamura**, Associate Professor, Tokyo City University, Japan. Teaching Urban Planning in Japan.
3. **Alan Frishman**, Professor of Economics, Hobart and Wm. Smith Colleges, USA. Teaching an Urban Economics/Urban Studies Class in the U.S.
4. **Anissa Benaiche**, Researcher Associate, Nantes University, France. General Overview of Urban Planners Training In France.
5. **Giulia Pellegri**, Associate Professor, University of Genoa, Italy. Urban Planning Response-bilities: City, Landscape and Resilience.

For details on the discussion please [click here](#).

**21:00-23:00 The Pragmatic Symposium of the Conference as Organized in Ancient Athens with Dialogues, Food, Wine, Music and Dancing but fine tuned to Synchronous Ethics**

## Tuesday 6 June 2017

**07:30-10:30 Session X: An Educational Urban Walk in Modern and Ancient Athens**

**Chair:** Gregory Katsas, Vice President of Academic Affairs, ATINER & Associate Professor, The American College of Greece-Deree College, Greece.

Group Discussion on Ancient and Modern Athens. Visit to the Most Important Historical and Cultural Monuments of the City (be prepared to walk and talk as in the ancient peripatetic school of Aristotle)

**11:00-12:30 Session XI (Room D-10<sup>th</sup> Floor): Urban Processes**

**Chair:** Lina Martinez, Professor, Universidad Icesi, Colombia.

1. Takashi Nakamura, Associate Professor, Tokyo City University, Japan. Recent Repopulation of Japanese Local Cities' Central Areas.
2. Esra Gurbuz Yildirim, Lecturer, Gaziantep University, Turkey. Understanding Gaziantep's Traditional Spatial Organisation in the Context of Socio- Cultural Effects.
3. Gizem Aksumer, Research Assistant, Mimar Sinan Fine Arts University, Turkey. Urban Transformation Machine: How the Urban Transformation Works from Gecekondu Houses to the Mass Housing Areas in Istanbul.
4. Nadin Fayad, PhD Student, University of Lille1 Sciences and Technologies, France. Relation to Environment, Amplified Geography and Alternative Urban Planning Strategy for Fragile Territories.

**11:00-12:30 Session XII (Room E-10<sup>th</sup> Floor): Public Transportation**

**Chair:** David Fernandez-Llorca, Associate Professor, University of Alcalá, Spain.

1. Roman Klementsitz, Senior Scientist, University of Natural Resources and Life Sciences (BOKU), Austria & Matthias Rieder, MSc Student, University of Natural Resources and Life Sciences (BOKU), Austria. Analysis of the Metro Night Service usage in Vienna, Austria.
2. Anissa Benaiche, Researcher Associate, Nantes University, France. Restructuring of Peri-urbanization around Railway Stations in some French Urban Areas.

<p><b>12:30-14:00 Session XIII (Room D-10<sup>th</sup> Floor): A Panel on Drawing and Representation: Environment-Landscape-City III</b></p>	<p><b>12:30-14:00 Session XIV (Room E-10<sup>th</sup> Floor): Innovations in Transportation</b></p>
<p><b>Chair:</b> Stefano Bertocci, Professor, Università degli Studi di Firenze, Italy.</p>	<p><b>Chair:</b> Sherif Ishak, Lloyd J. Guillory Professor, Louisiana State University, USA.</p>
<ol style="list-style-type: none"> <li>1. Starlight Vattano, Assistant Professor, University of Palermo, Italy. Urban Landscape in the Graphic Representations of the Cathedral of Palermo.</li> <li>2. Regina Helena Vieira Santos, Architect, Universidade de São Paulo, Brazil and Università degli Studi di Firenze, Italy. Architecture from 1920's in a block of the Avenida São João.</li> <li>3. <u>Silvia Rinalduzzi</u>, PhD Student, Università degli Studi Di Roma Tre, Italy, Laura Farroni, Assistant Professor, Università degli Studi Di Roma Tre, Italy &amp; Giovanna Spadafora, Associate Professor, Università degli Studi Di Roma Tre, Italy. Representing the Identity of a Territory: The Drawing to Inspect, to Systematize and to Render the Knowledge. The Case Study of Acque Albule Basin.</li> </ol>	<ol style="list-style-type: none"> <li>1. <u>David Fernandez-Llorca</u>, Associate Professor, University of Alcala, Spain &amp; Mario Jimenez-Garcia, Research Assistant, University of Alcala, Spain. CNN-based Vehicle Logo Classification for Vehicle Manufacturer Recognition.</li> </ol>
<p><b>14:00-15:00 Lunch</b></p>	
<p><b>15:00-16:30 Session XV (Room D-10<sup>th</sup> Floor): A Panel on Drawing and Representation: Environment-Landscape-City IIIV</b></p>	<p><b>15:00-16:30 Session XVI (Room E-10<sup>th</sup> Floor): Special Issues</b></p>
<p><b>Chair:</b> Starlight Vattano, Assistant Professor, University of Palermo, Italy.</p>	<p><b>Chair:</b> Roman Klementschtz, Senior Scientist, University of Natural Resources and Life Sciences (BOKU), Austria.</p>
<ol style="list-style-type: none"> <li>1. <u>Stefano Bertocci</u>, Professor, Università degli Studi di Firenze, Italy, Monica Bercigli, PhD Student, Università degli Studi di Firenze, Italy, Matteo Bigongiari, PhD Student, Università degli Studi di Firenze, Italy &amp; Vincenzo Moschetti, PhD Student, Università degli Studi di Firenze, Italy. Rereading to Rewrite: Documentation and Requalification of Mediterranean Historical Centers, Jerusalem and Taranto Case.</li> <li>2. Silvia Bernardini, Project Manager, Umania S.r.l., Italy. Territorial Identity as Engine of the Project: The Sustainable Cellar <i>HIC ET NUNC</i>.</li> <li>3. Vincenza Garofalo, Assistant Professor, University of Palermo, Italy. Reading the Transformations of an Urban Edge: From Liberty Era Palermo to the City of Today.</li> </ol>	<ol style="list-style-type: none"> <li>1. <u>Sherif Ishak</u>, Lloyd J. Guillory Professor, Louisiana State University, USA, Maggie Ye, Graduate Student, Louisiana State University, USA &amp; Osama Osman, Research Associate, Louisiana State University, USA. Developing a Crash Risk Index and Detecting Driver's Engagement in Secondary Tasks from Driving Behavior Attributes and Socioeconomic Characteristics: A Naturalistic Driving Study.</li> <li>2. Ozan Hovardaoglu, Associate Professor and Vice Dean, Faculty of Architecture, Erciyes University, Turkey &amp; Seda Calisir-Hovardaoglu, Associate Professor, Erciyes University, Turkey. Changing Structure and Functions of Urban-Rural Fringes in a Process of Urban Stability in Turkey.</li> <li>3. Jiri Kugl, PhD Student, Czech Technical</li> </ol>

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| <p>4. Shan Li, Assistant Professor, City University of Hong Kong, Hong Kong. Liveability Performance of Public Housing Open Space in Hong Kong.</p> <p>5. <u>Pietro Becherini</u>, PhD Student, University of Pavia, Italy, Sandro Parrinello, Associate Professor, University of Pavia, Italy, Francesca Picchio, European PhD in Architecture, University of Pavia, Italy &amp; Raffaella De Marco, PhD Student, University of Pavia, Italy. The Drawn Landscape in 3D Databases: The Management of Complexity and Representation in the Historical City.</p> | <p>University in Prague, Czech Republic. Analysis of Tools for Revitalization and Rehabilitation of Brownfields.</p> <p>4. <u>Ayca Ozceylan</u>, Lecturer, Gaziantep University, Turkey &amp; Eren Ozceylan, Assistant Professor, Gaziantep University, Turkey. A View of Industrial Engineering Profession in Turkey: An Application of Web-Based Survey.</p> |
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21:00- 22:30 Dinner

**Wednesday 7 June 2017**  
**Educational Island Tour: (Details during registration)**  
**or**  
**Mycenae and Epidaurus Visit: (Details during registration)**

**Thursday 8 June 2017**  
**Delphi Visit: (Details during registration)**

**Starlight Vattano**

Assistant Professor, University of Palermo, Italy

## **Urban Landscape in the Graphic Representations of the Cathedral of Palermo**

The present study offers some reflections on the relationship between the cathedral of Palermo and the urban area in which it insists, regarding the indissoluble link with the landscape aspect that through the history offered a variety of perceptive suggestions, marked by the passage and presence of different dominations. The historical urban multi-scale analysis carried out, focuses on the role that territorial and urban morphology, over time, has had compared to the cathedral of Palermo. In this sense, it is considered the correlation between the architectural body and the urban context in respect of its access routes, starting from the Phoenician domination to the current configuration, by consulting graphics studies on the Arab-Norman city, early maps drawn up in the sixteenth century, to the representations by Gaetano Lossieux of 1818.

The cartographic analysis and the orographic modeling provide images of a non-existent territorial context, as subject to time transformations, resulting in changeable landscape and urban faces where the cathedral is placed taking, under this aspect, multiple configurations based on space and time points of view. The goal is the graphic reconstruction of the most significant architectural and urban moments of the Palermo's cathedral in its context, pursuing a reflection linked to the intimate connection between architecture and landscape, focusing on morphological and territorial conformations that, over time, the unconscious perception of the visitor has articulated in a dynamic visual tale. The five historical periods considered concern the Phoenician domination (VII century BC), Arabic (831-1072), Norman (1072-1194), the city from the sixteenth to the nineteenth century and the contemporary city. The identification of the access routes leading to the cathedral is the key of the graphic reading, perception and recognition of the elements that characterize the architectural body of the cathedral. Further representations, in support of the iconographic research phase of the cathedral, including some drawings made by the travelers of the Grand Tour who, driven by curiosity to know the places of the Mediterranean, supplied graphic and literary descriptions showing how the time changes have affected on the perception of the building in its history.

The cognitive storytelling of the cathedral of Palermo is obtained



through a graphic study on routes which, in different historical phases, have provided multiple images in function of the addition and subtraction of volumes, voids, urban portions and soil transformations, while keeping the scar of time in the elaboration of orographic sections and perspective views through which highlighting the role of perception in this changing combination of architecture and landscape.