

2013

Architecture Abstracts
Third Annual International
Conference on Architecture
10-13 June 2013, Athens, Greece
Edited by Gregory T. Papanikos

THE ATHENS INSTITUTE FOR EDUCATION AND RESEARCH



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Preface

This abstract book includes all the summaries of the papers presented at the *3rd Annual International Conference on Architecture, 10-13 June 2013*, organized by the Sciences and Engineering Research Division of the Athens Institute for Education and Research. In total there were 140 papers and 173 presenters, coming from 39 different countries (Australia, Austria, Bangladesh, Belgium, Bosnia & Herzegovina, Brazil, Bulgaria, Canada, Chile, China, Denmark, Estonia, Finland, France, Greece, Israel, Italy, Malaysia, Mexico, Poland, Portugal, Qatar, Romania, Serbia, Slovakia, South Africa, South Korea, Spain, Sweden, Switzerland, Taiwan, Thailand, The Netherlands, Turkey, UAE, UK, USA). The conference was organized into 32 sessions that included areas of Architectural History, Building Typology, Environmental Behaviour, Place Making, Theory Paradigms and other related fields. As it is the publication policy of the Institute, the papers presented in this conference will be considered for publication in one of the books of ATINER.

The Institute 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 in Athens and exchange ideas on their research and consider the future developments of their fields of study. Our mission is to make ATHENS a place where academics and researchers from all over the world meet to discuss the developments of their discipline and present their work. To serve this purpose, conferences are organized along the lines of well established and well defined scientific disciplines. In addition, interdisciplinary conferences are also organized because they serve the mission statement of the Institute. Since 1995, ATINER has organized more than 150 international conferences and has published over 100 books. Academically, the Institute is organized into four research divisions and nineteen research units. Each research unit organizes at least one annual conference and undertakes various small and large research projects.

I would like to thank all the participants, the members of the organizing and academic committee and most importantly the administration staff of ATINER for putting this conference together.

Gregory T. Papanikos
President

FINAL CONFERENCE PROGRAM
3rd Annual International Conference on Architecture,
10-13 June 2013, Athens, Greece

Conference Venue: Titania Hotel (52 Panepistimiou Avenue)

PROGRAM

ORGANIZING AND SCIENTIFIC COMMITTEE

1. Dr. Gregory T. Papanikos, President, ATINER.
2. Dr. George Poulos, Vice-President of Research, ATINER & Emeritus Professor, University of South Africa, South Africa.
3. Dr. Nicholas Pappas, Vice-President of Academics, ATINER & Professor, Sam Houston University, USA.
4. Dr. Nicholas Patricios, Head, [Architecture & Engineering Research Unit](#), ATINER & Professor of Architecture, University of Miami, USA
5. Dr. Thomas Attard, Associate Research Professor, Arizona State University, USA.
6. Dr. Stavros Alifragkis, Academic Member, [Architecture & Engineering Research Unit](#), ATINER & Adjunct Lecturer, Hellenic Army Academy, Athens, Greece.
7. Dr. Howayda Al-Harithy, Professor, American University of Beirut, Lebanon.
8. Dr. Patrick Ashton, Associate Professor, Indiana University Purdue University Fort Wayne, USA.
9. Dr. Debnath Bhattacharyya, Professor, MPCTM, Gwalior, India.
10. Dr. Stella B. Bondi, Associate Professor, Old Dominion University, USA.
11. Mr. Moamer Gashoot, Researcher, Bournemouth University, UK.
12. Dr. Matthew Kubik, Associate Professor, Indiana University Purdue University Fort Wayne, USA.
13. Dr. Caterina Pizantias, Instructor, University of Calgary, Canada.
14. Dr. Virginia Sisiopiku, Associate Professor, The University of Alabama at Birmingham, USA.
15. Ms. Lila Skountridaki, Researcher, ATINER & Ph.D. Student, University of Strathclyde, U.K.
16. Mr. Vasilis Charalampopoulos, Researcher, ATINER & Ph.D. Student, University of Stirling, U.K.

Administration

Fani Balaska, Stavroula Kiritsi, Eirini Lentzou, Konstantinos Manolidis,
Katerina Maraki & Celia Sakka

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

(The time for each session includes at least 10 minutes coffee break)

Monday 10 June 2013

07:30-08:30 Registration

08:30-09:00 Welcome and Opening Remarks

- Dr. Gregory T. Papanikos, President, ATINER.
- Dr. George Poulos, Vice-President of Research, ATINER & Emeritus Professor, University of South Africa, South Africa.
- Dr. Nicholas Patricios, Head, [Architecture & Engineering Research Unit](#), ATINER & Professor of Architecture, University of Miami, USA.

<p>09:00-11:00 Session I (Room A): Architectural History I Chair: Nicholas Pappas, Vice-President of Academics, ATINER & Professor of History, Sam Houston University, USA.</p>	<p>09:00-11:00 Session II (Room B): Building Typology I Chair: George Poulos, Vice-President of Research, ATINER & Emeritus Professor, University of South Africa, South Africa.</p>
<ol style="list-style-type: none"> 1. *Gevork Hartoonian, Professor, University of Canberra, Australia. Tectonic Modalities in Baroque Architecture. 2. Nancy Klein, Associate Professor, Texas A&M University, USA. The 'Life History' of Building A on the Acropolis of Athens. 3. Kemal Reha Kavas, Assistant Dean and Chair of the Architectural History Program, Akdeniz (Mediterranean) University, Turkey. Environmental Aesthetics in Medieval Castelvecchio Calvisio (Abruzzo, Italy): Settlement and Architecture. 4. Liang-Ping Yen, Adjunct Assistant Professor, National Quemoy University, Taiwan. Discussions on the Writings of Architectural History under Cultural Essentialism. 	<ol style="list-style-type: none"> 1. *Ilker Fatih Ozorhon, Assistant Professor, Ozyegin University, Turkey. Reflections of Modernization in Turkish Architecture in 1950's: The Case of Cinnah 19. 2. Marietta Monaghan, Instructor, Southern Polytechnic State University, USA. Building a City in the Wilderness: Hospitals at Alabama Power Company Construction Camps. 3. Katrin Koov, Architect, Estonian Academy of Arts, Estonia. Imprint. 4. Domenico Chizzoniti, Assistant Professor, Politecnico of Milano, Italy. Montage and Composition. The Conception of Architectural Space. 5. *Jens Christian Pasgaard, Post-doc, Architect MAA, The Royal Danish Academy of Fine Arts, Denmark. Tourism-Dominated Spaces - Hotel Lobbies Seen as Spatial Strategic Drivers.
<p>09:00-11:00 Session III (Room C): Environmental Behaviour I Chair: Stavros Alifragkis, Academic Member, Architecture & Engineering Research Unit, ATINER & Adjunct Lecturer, Hellenic Army Academy, Athens, Greece.</p>	<p>09:00-11:00 Session IV (Room D): Place Making Chair: Lila Skountridaki, Researcher, ATINER & Ph.D. Student, University of Strathclyde, U.K.</p>
<ol style="list-style-type: none"> 1. Haniyeh Razavivand Fard, PhD Student, Istanbul Technical University, Turkey & Shilan Gharnfoli, PhD Student, Istanbul Technical University, Turkey. Evaluation of Residential Satisfaction in Urban Renewal Project Navvab. 	<ol style="list-style-type: none"> 1. Norsidah Ujang, Lecturer, Universiti Putra Malaysia, Malaysia. Linking Walkability and Place Attachment to Tourism Places in the City of Kuala Lumpur, Malaysia. 2. Jason Scroggin, Assistant Professor, University of Kentucky College of

15:30-17:00 Session XXXII (Room A): Laws & Practice

Chair: *Arthur Chen, Associate Professor, University of Minnesota, USA.

1. Yasser Mahgoub, Associate Professor, Qatar University, Qatar. The Impact of Building Legislation on the Transformation of Architecture in the Gulf Region.
2. Suha Jaradat, Doctoral Researcher, University of Reading, UK. Can the Architect be the Virtual Master Mason?
3. Del Espino Hidalgo Blanca, Researcher, University of Seville, Spain, M Teresa Perez Cano, Professor, University of Seville, Spain & Ramila Arjona Rocio, Researcher, University of Seville, Spain. Historic Cities Conservation Throughout Cultural Heritage Laws: Andalusian Historic Areas.

17:30-20:30 Urban Walk (Details during registration)

21:00-22:00 Dinner (Details during registration)

Wednesday 12 June 2013

Cruise: (Details during registration)

Thursday 13 June 2013

Delphi Visit: (Details during registration)

Yasser Mahgoub

Associate Professor, Qatar University, Qatar

The Impact of Building Legislation on the Transformation of Architecture in the Gulf Region

The built environment found in the Gulf countries has passed through rapid changes and transformation during the second half of the 20th century with an astonishing speed. These changes were the result of economic wealth generated after the discovery of oil in the region that initiated major urban development schemes to improve the quality of life and urban environment in these countries. Urban master plans were developed to transform the traditional settlements to modern cities and communities. The master plans introduced urban and building legislations that transformed the traditional settlements into modern urban environments. For example; they introduced building codes that promoted the “villa” as a prototype to replace the traditional courtyard house, the self contained neighborhood to replace the extended connected and expanding traditional settlement, wide asphalt roads for automobile to replace narrow pedestrian alleys or *fareej*, the roundabout to replace the traditional *saha*, and they ignored social and climatic considerations that generated and formed the social spaces of the traditional settlements. This transformation had impact not only on the configuration and quality and of social space but also on the opportunities for social interaction between people. This paper argues that urban and building legislations have major impact on the quality of social spaces due to the fact that they must be adhered to by planners, architects and designers. They constitute a major element in the shaping the social spaces in the urban environment; buildings, streets, neighborhoods and cities. This paper investigates the impact of urban and building legislations on the configuration and quality of social spaces in Gulf countries as an example to their impact in other parts of the world. The paper traces the transformation of Gulf cities from traditional settlements to modern urban environments during the second half of the 20th century and the impact of urban and building legislations on this transformation. It compares between the experience of Kuwait and Doha as exemplary cities from the region. The paper argues that social interaction taking place in a social space is conditioned by physical spaces designed by planners and architects according to specific urban and building legislations. These legislations are critical elements in the production of social space and social interaction opportunities. The paper proposes that research in the field should address the impact of urban and buildings legislations as an important vehicle for the production and change of social space. Research should address specific elements of the legislations that impact, positively or

negatively, the formation of the social space. They constitute a key element in our search for a meaningful change.