Architectural Education and the Reality of the Ideal: Environmental design for innovation in the post-crisis world

International Conference
Napoli, 3-5 October 2013
Hosted by the Schools of Architecture Federico II and the Second University of Napoli

Programme
Thursday 3.10.2013

13:00 -14:00  
Registration
R. AMIRANTE, A. VIOLANO, C. SPIRIDONIDIS, M. VOYATZAKI, M. FEDESKI  
Welcome addresses and Introduction to the conference themes

14:00 - 14:30
Session 1 | Chair: M. VOYATZAKI | Aula Paolo JOSA
14:30 -14:45  
Eleni AMPATZI, Mike FEDESKI, Julie GWILLIAM  
I know that I know nothing: the need for scepticism in environmental design education

14:45 -15:00  
Walter UNTERRAINER  
A “laboratory approach” to integrate sustainability into architectural education

15:00 -15:15  
Lucia MARTINCIGH, Paola MARRONE, Marina Di GUIDA  
The evaluation of building performance in relation to users’ behaviour: overcoming the division between objective parameters and subjective perceptions

15:15 -15:30  
Maria VOYATZAKI, Kallirol TZIMIKA, Asimina CHATZIMANOLI  
Polyphony and Pluralism in Environmental Design Pedagogy: Five responses to the same question

15:30 -16:00  
Coffee Break
### Session 2

**Chair:** C. SPIRIDONIDIS  |  **Aula Paolo JOSSA**  |  **16:00 - 17:30**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Topic</th>
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<tbody>
<tr>
<td>16:00</td>
<td>Mark CLAYTON, Geoffrey BOOTH, Jong BUM KIM, Saeed ZARRONMEHR</td>
<td>Quadruple Net Value analysis using Building Information Modeling and Immersive Visualization</td>
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<td>16:15</td>
<td>Gaetano DE FRANCESCO</td>
<td>ECO STRATEGIES: 10 imperatives for an ecological approach</td>
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<td>16:30</td>
<td>Michael STANTON</td>
<td>Barge Board, Glassphalt, Bicycle Phones and “Lover Nature”</td>
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<td>16:45</td>
<td>Konstantinos CHRISTODOLIDIS</td>
<td>Holisticity, Regenerative landscapes and political ecology in architectural education</td>
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| 17:00  |                                          | **Keynote Lecture by Nick BAKER**  
Cambridge Architectural Research Ltd. |
| 17:30  |                                          | Welcome Reception (finger food and drinks) at the School Courtyard    |

**Friday 4.10.2013**

### Session 3: Interface: Objective Design and the Human Experience

**Chair:** N. BILORIA  |  **Room A**  |  **10:00 - 11:15**

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<th>Time</th>
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<tr>
<td>10:00</td>
<td>Derville MURPHY</td>
<td>art/architecture: a collaborative approach to environmental studies</td>
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<td>10:15</td>
<td>Stefano CONVERSO</td>
<td>Eyes that don’t see: software strategies to build environmental awareness in architectural design studios</td>
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<td>10:30</td>
<td>Caterina FRETTOLOSO</td>
<td>An integrated approach for open-air fruition in archaeological sites</td>
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<td>10:45</td>
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<td><strong>Debate</strong></td>
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**Chair:** N. KALOGIROU  |  **Room B**  |  **10:00 - 11:15**

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<tr>
<td>10:00</td>
<td>Siobhan O’DEA</td>
<td>Spatial analysis as a means of exploring and predicting human inhabitation of space</td>
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<td>10:15</td>
<td>Leopoldo RUSSO CECCOTTI</td>
<td>Environment vs. Landscape?</td>
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<td>10:30</td>
<td>Valentina GARRAMONE</td>
<td>New environment: disappearance of the thresholds and hybrid world</td>
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<td>10:45</td>
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<td><strong>Debate</strong></td>
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**Chair:** E. MAISTROU  |  **Room C**  |  **10:00 - 11:15**

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<tr>
<td>10:00</td>
<td>Andrea MONTEIRO</td>
<td>The aesthetic and ethical experience in architectural education</td>
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<td>10:15</td>
<td>Carla MOLINARI</td>
<td>Environmental design as a medium: the Sacri Monti and the narrative spatial sequences</td>
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<td>10:30</td>
<td>Golrokh KHAKZAR</td>
<td>New harmonic exterior attachments in historic museum buildings</td>
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<td>10:45</td>
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<td><strong>Debate</strong></td>
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<td>Time</td>
<td>Session 4: Reality: Education for a Credible Social and Political Future</td>
<td>Session 5: Education: Top 10 Environmental Objectives for Studio Design</td>
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<td>11:45 -</td>
<td>Session 4A Chair: D. BIKAS Room B 11:45 - 13:00</td>
<td>Session 5A Chair: M. FEDESKI Room B 14:00 - 15:30</td>
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<td>11:45 -</td>
<td>Jan SLYK Conservative Environmental Strategies based on Contemporary</td>
<td>14:00 - 15:15 Marc BARANESS Benoit CREPET Integrative teaching. Teaching</td>
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<td>12:00</td>
<td>Design Solutions. Two alternative eco-friendly models, developed in</td>
<td>design studio with environmental conscious possible reality</td>
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<td>master diploma researches</td>
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<td>12:00 -12:15</td>
<td>Matthew JELACIC From Polybius to Dadaab: Traumatic</td>
<td>14:15 - 14:30 Anna BONVINI Khalifa Mostafa RABEA-ADBELBASET Urban</td>
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<td>Urbanization in Age of Man-Made Climate Change</td>
<td>lab in parametric vision</td>
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<td>12:15 -</td>
<td>Stavros MOUZAKITIS “Ecosophic” Game-Design: Towards a Cryptic BioTopical</td>
<td>14:30 - 14:45 Francesca MUZZILLO Fosca TORTORELLI Recovery of a Small</td>
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<td>12:30</td>
<td>Architecture</td>
<td>Rural Building into a Renewable Energy Didactic Park</td>
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<td>13:00 -14:00</td>
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<td>14:45 - 15:00 Eleni MAISTRO Top ten environmental objectives for an</td>
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<td>innovative design aiming to human environment.</td>
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<td>15:00 - 15:30</td>
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<td>14:00 - 14:15</td>
<td>Leda DIMITRIADI Invention and subversion. Educational</td>
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<td>premises and teaching experiences in Ecole nationale supérieure</td>
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<td>d’architecture Paris-Malaquis</td>
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<td>14:15 -</td>
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<td>14:45 - 15:00</td>
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<td>14:30 - 14:45</td>
<td>Paola GALLO Master course in architecture and environmental</td>
<td>Debat</td>
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<td>technologies: A post graduated course for integrated education</td>
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<td>of architects in the use of environmental strategy in the project</td>
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<td>14:45 -</td>
<td>Mariarosaria ARENA, Antonio BOSCO, Sergio RINALDI Environmental</td>
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<td>15:00</td>
<td>technologies for the design of public space</td>
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<td>15:00 -15:30</td>
<td>Debat</td>
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<td>Coffee Break</td>
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<td>Lunch Break</td>
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<td>Lunch Break</td>
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Saturday 5.10.2013

Session 6: Education: Top 10 Environmental Objectives for Studio Design | 9:00 - 10:45

**Session 6A**

9:00 - 9:15
Nikos KALOGIROU, Akmiri PAKA, Anastasia TZAKA
Environmental urban design workshops as a learning tool. A case study: Erasmus IP EWWUD, Lisbon 2010 – 2012

9:15 - 9:30
Costas CARADIMAS, Sofia TSIRAKI
Teaching Design and Technology through basic environmental objectives, at the National Technical University of Athens: Towards an integrated approach

9:30 - 9:45
Markella MENIKOU, Adonis CLEANTHOU
"Connect the dots" - instruments for divining the future

9:45 - 10:00
Salt Ali KÖKNAR, Bihter ALMAÇ, Burçin KÜRTÜNCÜ
Integrating Ecological Objectives into Design Studio: Being There

10:00 - 10:15
Eleni ALEXANDROU, Elias ZACHAROPOULOS
Environmental design as a research topic in architectural education

**Session 6B**

9:00 - 10:45
Massimo PERRICIOI, Monica ROSSI, Roberto RUGGIERO
Environmentally sensitive architectural projects: high quality, low cost, energy efficient social housing in different Italian climate zones

9:15 - 9:30
Didem BAS YANARATES, Gölşay USTA, Ferhan YALCIN
A design studio experience for wht if an architectural pattern is organized with its place

9:30 - 9:45
Rossella FRANCHINO
Innovative technologies for the control and reuse of rainwater in urban contexts

9:45 - 10:00
Karolina TULKOWSKA
Environmental aspect in architectural education in XX and XXI century. Change of perspective.

10:00 - 10:15
Julian KEPPL, Klára MACHÁČOVÁ, Albeta KRIŽANKOVÁ
Our 20-year long journey towards meeting objectives of the European strategy for year 2020

**Session 6C**

9:00 - 10:45
Anna PAPADOPOULOU, Alexandros POSTEKKIS, Petros LAPITHIS, Nikolas TSAOUSIS
Building Blocks for Social Sustainability: A Four-Day Design Workshop

9:15 - 9:30
Antonella VIOLANO
ECO-SMART HOME: eco-design technologies for living

9:30 - 9:45
Nikos PAPAMANOLIS, Maria MANDALAKI
Environmental design in the courses of the School of Architecture at the Technical University of Crete

9:45 - 10:00
Nina JUZWA, Aleksandra POSTAWA
Environmental education in the context of urban landscape renewal program in Silesia and its impact on the real

10:00 - 10:15
Jerzy GORSKI
The environmental objectives in the architectural education
### Session 7A
Chair: A. SAGGIO | Room B | 11:15 - 13:15

#### 11:15 - 11:30
**Maria Isabella AMIRANTE, Monica CANNAVIELLO, Antonella VIOLANO**  
*ENERGETIC REHABILITATION: environmental objectives to learn technological design*

#### 11:30 - 11:45
**Aimilios MICHAEL**  
*Innovative Development in the Environmental Building Design: Design-Based Research*

#### 11:45 - 12:00
**Halil Zafer ALIBABA, Falehmen AMIRI, NAJAFABADI**  
*The Effect of Atrium on Thermal Comfort*

#### 12:00 - 12:15
**Aimilios MICHAEL, Odysseas KONTOVOURKIS**  
*Innovation in Environmental-based Architectural Education through Digital Experimentation and Construction Workshop*

#### 12:15 - 12:30
**Alexandra SOTIROPOULOU, E. TRANTI, I. TZOUVADAKIS, A.G. STAMOS, Angelos SANDALAKIS**  
*Balancing Energy Performance and Freedom from Noise in Urban Mediterranean Buildings*

#### 12:30 - 12:45
**Griet VERBEECK**  
*Zero Pentathlon: a holistic environmental design assignment*

### Session 7B
Chair: W. UNTERRAINER | Room C | 11:15 - 13:15

#### 11:15 - 11:45
**Zsuzsanna FULOP, József KOLOSSA**  
*“Intelligent Building” linking reality to architectural design based on a properly modifiable database*

#### 11:45 - 12:00
**Stefano CONVERSO, Chiara TONELLI, Gabriele BELLINGERI**  
*More documentation, less automation. A strategy of user involvement in domotics at Solar Decathlon 2012*

#### 12:00 - 12:15
**Aimilios MICHAEL, Odysseas KONTOVOURKIS**  
*A methodology to develop theoretical models for building energy performance simulation programs*

#### 12:15 - 12:30
**Asimina CHATZIMANOLI**  
*Design tools for asking questions: evaluation vs. generation*

#### 12:30 - 12:45
**Nimish BILORIA, Anurag BHATTACHARYA**  
*Performance driven generative design pedagogy: interfacing multi-agent simulation driven design techniques with environmental modeling methodologies in architectural education.*

#### 12:45 - 13:15
**Debate**

#### 13:15 - 13:45
**Lunch Break**

#### 14:15 - 15:15
**Keynote Lecture by Dean HAWKES**  
*Cardiff University, Darwin College at Cambridge University*

#### 15:15 - 15:45
**Coffee Break**

#### 15:45 - 16:45
**Synthesis and Conclusions**  
*Aula Paolo JOSSA*