

# IEREK - GREEN URBANISM CONFERENCE

2nd edition:

## "The Periphery as a Catalyst for Energy and Skills"

5-6 December 2018

UNIVERSITY OF ROMA TRE- Department of Architecture

Argiletum  
via Madonna de Monti 40  
ROME

**Mourad Amer**, Chief Executive Officer & Founder, IEREK  
**Abdelaziz Sakr**, General Director, IEREK

*Chairperson*

**Prof. Ferdinando Trapani**

Urban Planning Department of Architecture Polytechnic School University of Palermo, Italy

*Guest Editors*

**Prof. Antonella Falzetti**

Department of civil & computer Engineering, University of Tor Vergata, Italy.

**Prof. Luciano De Bonis**

Associate Professor of Urban and Regional Planning Technique, Università degli Studi del Molise, Italy.

**Prof. Fabio Naselli**

Department of Architecture, Faculty of architecture and Engineering at Epoka University in Tirana.

**Prof. Lucia Nucci**

Department of Architecture, University of Roma Tre, Italy

## Day 1 – Wednesday 5 December 2018

Venue: Department of Architecture - Argiletum  
via Madonna dei Monti 40, ROME  
Great Hall

**08:30-09:30 – Registration of participants**

**09:30-10:30 – Opening Session**

**Ferdinando Trapani**

Associate Professor of Urban Planning  
Department of Architecture - Polytechnic School  
University of Palermo, Italy

**Mourad Amer**

Chief Executive Officer & Founder, IEREK

**Abdelaziz Sakr**

General Director, IEREK

**Lucia Nucci**

Associate Professor of Urban and Regional Planning  
Department of Architecture  
University of Roma Tre, Italy

**11:00- 11:30 Keynote Speaker**

**Chaham Alalouch**

Assistant Professor in Architecture Engineering  
Sultan Qaboos University, Oman

**11:30-12:00 Coffee Break**

**12:30-13:30 - Plenary Session**

### **Session 1 (a): GOVERNANCE AND EDUCATION FOR SUSTAINABLE CITIES**

Session Moderators: Lucia Nucci, Fabio Naselli

1. **Agrarian Urbanism: the possibilities of urban agriculture in Mexico City**- Marisol Romero-Magallán
2. **Boosting Rural Areas Revitalization in the Mediterranean through cross-cutting approach based on ecological and social resilience**- Cynthia Echave & Palladus, Ana & Ponsá, Sergio & Cacciutolo, Maxime & Massabo, Bernard & Niavis, Spyros & Grassi, Roberto & Boulanger, Alexia & Papatheochari, Theodora & Čeh, Danilo
3. **Planning and Management Strategies in Developing Cities " - The city of Batna as a case study** – Mohamed Boudiafe SAOUANE & Bibimoune walid

**13:30-14:30 – lunch break**

**14:30-16:30 - Plenary Session**

## **Session 1 (b): GOVERNANCE AND EDUCATION FOR SUSTAINABLE CITIES**

Session Moderators: Fabio Naselli, Luciano De Bonis

4. **Policy instruments for facilitating the decision making in Integrated Environmental Management of Functional Urban Areas: tools and methods applied within a European cooperation programme** - Elena Masala & Matteo Tabasso
5. **Optimization of Small Open Space Based on POE Research under The Concept of Main Urban Area--Taking Hangzhou for Instance** - Yuewei Zhu & Hiroatsu Fukuda
6. **Empirical groundwater investigation using Light interference technique** - Vijay Muthekar & A. G. Kharat & N. P, Dharmadhikari & C. M. Mahajan
7. **New, smart and sustainable cities in Algeria: realities and challenges. Case of the city of Sidi A. Allah in Algiers region** - Mohamed Boudiafe, Saouane & Mohamed Gherbi & Aissaoui Oumaima
8. **Regeneration of Amman Center - Social Acceptance of Syrian Migrants in Downtown Amman** - Majd Al-Homoud
9. **Is New Infill Development Creating the Slums of Tomorrow? Examining the Links between Infill, Sprawl, Equity, and Neighborhood Resilience** - Melissa Currie

### **Day 2 – Thursday 6 December 2018**

09:30-16:30 - Parallel Sessions

#### **09:30-11:00 - Session 2: NATURAL RESOURCES AND WASTE MANAGEMENT AT THE NEIGHBORHOOD SCALE**

Session Moderators: Domenica Bona

1. **Study on outdoor thermal comfort of the commercial pedestrian mall in southern China-A case study of The Taizhou Old Street** -XUAN MA & Hiroatsu Fukuda & Mengying Wang
2. **Approach towards Localization of public spaces development in Muscat: A step towards sustainable urban reform within existing neighborhoods** - Rowa Elzain & Rumana Al Othmani
3. **Study of Human Body Voltage Behavior in Contact with Conductive Floorings in Residential Buildings** - Arjun Vasatkar & A.G.Kharat
4. **Zero (Food) Waste in Buildings: A Decentralized Approach to Organics Recovery in the City** - YuNong Khew & Lee, C.L.K Cultural urban branding as an approach toward sustainability Case study of Al-Madinah, KSA - Reeman Mohammed Rehan & Mohammed Refaat M. Abdelaal Ghina Maher Hakim, Rouba Mayyas Gamal, Ghadah Mohammed Baraat

#### **11:40-13:00 - Session 4 (a): ENERGY EFFICIENCY AND PASSIVE DESIGN IN BUILDINGS**

Session Moderator: Elena Gigliarelli, Filippo Calcerano

1. **Design of a system generating electricity by means of a solar heater for a house** - Aguirre Contreras Javier & Aguirre Muñoz Javier & Arzate Perez Miguel
2. **Load shifting assessment of residential heat pump system in Japan smart community** - XUEYUAN ZHAO & Weijun Gao & Yanxue Li & Yoshiaki Ushifusab
3. **lessons learnt form the first Passive house building in Qatar** - May Khalfan

4. **BIOMIMICRY, IN SEARCH OF ADAPTED URBAN FORMS** - Souheila El Bar & Nouredine Zemmouri & Najet Aroua

13:00-14:00 Lunch break

#### 14:00-16:30 - Session 4 (b): ENERGY EFFICIENCY AND PASSIVE DESIGN IN BUILDINGS

Session Moderator: **Elena Gigliarelli, Ilaria Montella,**

5. **Typology and Solar Gain Analysis: Vernacular Courtyard Houses of Tabriz, Iran** - Maryam Khatibi
6. **Improving Architectural Design for Energy Efficiency: Optimal Window and Shading Design for Southern Facades in Amman** - Ayoub Abu Dayyeh, Heba Nazer
7. **Evaluating Heat Island Effect at University Campus with Reference to LEED v4** - Alshimaa A. Farag & Rahma M. Doheim & Samaa Badawi

#### 11:40-13:00 - Session 3(a): SUSTAINABLE INFRASTRUCTURE AND MOBILITY

Session Moderators: **Antonio Bolognini, Chiara Ravagnan**

1. **Territorial justice a differentiated accessibility to opportunities, comparative of two Mexican cities, Santiago de Querétaro and León. The unequal location of resources in space and the restrictions of spatial mobility, linked to public transit** - Angélica Valera Aldana
2. **Analysing the effect of fuel prices increase on travel behaviour** - Mohammed Aljoufie
3. **Urban Public Space Axis Rector of Green Infrastructure in The Current City of Latin America** - Marina Pérez-P
4. **Towards an Uptake Framework for The Green Building Concept in Ghana: A Theoretical Review** - LEE FELIX ANZAGIRA & Edward Badu & Daniel Duah

13:00-14:00 Lunch break

#### 14:00-16:30 - Session 3(b): SUSTAINABLE INFRASTRUCTURE AND MOBILITY

Session Moderator: **Maria Livia Olivetti, Chiara Ravagnan,**

1. **Towards a Comprehensive Description of the Public Parks of Bahrain** - Joao Pinelo Silva & Sonia Lamela & Motaz Mestarehi
2. **A Sub-Metropolitan Nature Garden for School kids in Monterrey, Mexico** - Roberto Pasini
3. **Multi-scale assessment of urban gardens as constructed habitats for biodiversity conservation in Jeddah Saudi Arabia** - Deborah A. Middleton
4. **City of birds in the urban assemblage** - Ewa Rewers
5. **A Study on Multi-Sector Participation on Environmental Lighting and Acoustics: The Case of the City of Manila** - Cecilia May S. Villanueva

#### 16:30-17:00 - Closing Session

**Fabio Naselli**

Lecturer of Urban Planning and Design

Department of Architecture Epoka University, Tirana, Albania

**Ferdinando Trapani**

Associate Professor of Urban Planning

Department of Architecture - Polytechnic School University of Palermo, Palermo, Italy