

Program of the International Conference on

“ Parallelism in Architecture, Engineering and Computing Techniques”
“ Urban Regeneration and Sustainability”



Time		Session
Day 01 – Monday 15 October , 2018 Meeting Point: AVA Atrium, Docklands Campus, UEL		
8:30	9:00	Meet-up & Registration
9:00	17:00	Full Day Visit to the Metropolitan Borough of Woolwich (optional)
<i>END OF DAY 1</i>		
Day 02 – Tuesday 16 October , 2018 Lecture Hall: AVA Atrium, Docklands Campus, UEL		
8:30	9:30	<i>Conference Registration & Coffee</i>
Welcoming Session		
9:30	10:15	<p style="text-align: center;"> Prof. Hassan Abdalla –<i>Chair</i> <i>Dean, School of Architecture, Computing and Engineering, UEL</i> Dr. Fulvio Wirz <i>UEL School of Architecture, and Zaha Hadid Architects Associate.</i> Dr. Mourad Amer <i>Chief Executive Officer & Founder, IEREK</i> Dr. Abdelaziz Sakr <i>General Director, IEREK</i> </p>
10:15	11:00	<p style="text-align: center;"> Opening Talk Keynote: Prof. Federico Rossi –<i>Academic Leader of Digital Architecture Robotics & Fabrication, LSBU, UK.</i> Lecture. </p>

11:00	11:45	<p>Keynote:</p> <p>Dr. Fulvio Wirz</p> <p>Lecture title: “Digital fabrication and the city: the shift towards modular complexity in urban and architectural design”</p>
PACT		<p>Session 1: Parallelism in Architecture, Engineering & Computing Techniques</p> <p>Session Moderator: <i>Prof. Fulvio Wirz</i></p>
11:50	12:05	<p>Kinetic Facades for Achieving Visual Comfort: High Performance Computing</p> <p><i>Fatima Belok</i></p>
12:10	12:25	<p>Adaptive Strategies For Mud Shell Robotic Fabrication</p> <p><i>Stephanie Chaltiel</i></p>
12:30	12:45	<p>A Trial Assessment of Disaster Vulnerability of High-rise Buildings using IDDES (Integrated Disaster Evaluation Simulator)</p> <p><i>Taeyoung Kim</i></p>
13:00	14:00	<p><i>Lunch Break</i></p>
URS		<p>Session 2: New Urbanism Models & Sustainable Spaces of Living</p> <p>Session Moderators:</p> <p><i>Prof. Hocine Bougdah & Dr. Fulvio Wirz</i></p>
14:00	14:15	<p>RSR Nexus and a New Urban Planning Model for Cities in Decline</p> <p><i>Ariouat Meriem</i></p>
14:20	14:35	<p>Lakeside Resort Model Based on Eco-Architecture</p> <p><i>Wasilah Sahabuddin</i></p>
14:40	14:55	<p>Land Tenure security and resident’s Stability in Squatter Settlements of Lahore</p> <p><i>Sana Malik</i></p>
15:00	15:15	<p>Brownfield Sites as Catalysts for Sustainable Urban Regeneration in Middle Eastern Contexts and The Demand for Objectives, Tools and Classifications for the Support of their Redevelopment. Examples from the City of Amman, Jordan</p> <p><i>Deyala Tarawneh</i></p>
15:20	15:35	<p>Sustainable Design Camp as a Platform to apply the Principles of Green Urbanism to the City’s Strategic Plan</p> <p><i>Koichiro Atiani</i></p>
15:40	15:55	<p>Towards a Model of Social-Sustainability: Cultural Institutions as a Catalyst for Socially-Engaged Regeneration</p> <p><i>Kristian Gath</i></p>
16:00	16:15	<p>Regenerative Mobility: Disruption and Urban Evolution</p> <p><i>Maria Natalia Paulino</i></p>

16:20	16:35	Synergistic Urban Improvement: Case study of Hikifune Neighbourhood in Tokyo <i>Kalina Vankova</i>
16:40	16:55	Natural Urban Heritage and Preservation Policies-The case of Kyoto's Waterways <i>Tyana Santini</i>
17:00	17:15	Spatial Assessment for the Open Spaces in Residential Areas: Case of Sheikh Zayed City, Egypt <i>Riam Elmorshedy</i>
17:20	17:35	Energy rehabilitation of social housing in vulnerable areas. Case study: a 1950s building in a medium-sized Mediterranean city <i>Maria J. Ruá</i>
18:30	20:00	<i>Gala Dinner</i>

END OF DAY 2

Day 03 – Wednesday 17 October , 2018
Lecture Hall: AVA Atrium, Docklands Campus, UEL

9:00 9:30 *Conference Registration & Coffee*

9:30 10:15 Keynote:
Prof. **Gabriele Sorrento** –CEO & Founder, Mindesk-VR based design platform, US.
Lecture title: “Virtual Reality: Breaking The Fifth Wall”

Session 3: Parallelism in Architecture, Engineering & Computing Techniques
Session Moderator: *Prof. Fulvio Wirz*

10:15 10:30 Parametric Thinking in Form-Based Code Evaluation
Yingyi Zhang

10:35 10:50 A New Reading On Zaha Hadid's Projects, Designing Architecture With The Computer Technology And French Planners Pragmatist's Method
Hülya Coskun

10:55 11:40 Keynote:
Prof. **Hocine Bougdah** –Reader in Architectural Technology, Canterbury School of Architecture
Lecture.

Session 4: Toward Rural and Urban Preservation & Development
Session Moderators:

		<i>Prof. Hocine Bougdah & Dr. Fulvio Wirz</i>
11:40	11:55	The Integration of Old Urban Centers in the Cities Development Process. Case of Bejaia <i>Bouchama Ouahiba</i>
12:00	12:15	Regeneration and Sustainable Densification. Simulating Scenarios of Urban Fabric Improvements Based on Chilean New Urban Policy “Law on Contributions to Public Realm” <i>Daniela Godoy</i>
12:20	12:35	Revitalization strategy for historic core of Ahmedabad <i>Utpal Sharma</i>
12:40	12:55	Urban Regeneration as a Tool for Revitalization of Urban City of Algiers Functions <i>Meftah Saida</i>
13:00	14:00	<i>Lunch Break</i>
14:00	14:15	Resiliency and Regeneration of the Pannonian Region of Hungary: Towards a Circular Economy <i>Hillary Brown</i>
14:20	14:35	In Search of a Tool to Support Planning Inside Large Cities: The Sustain-LED Model <i>Giuseppe Cantafio</i>
14:40	14:55	How New Technologies Can Promote an Active And Healthy City: Digital Platform to Identify Areas of Informal Sport Practice in the City of Malaga <i>Marta Cornax Martín, Nuria Nebot Gómez de Salazar, Ana Luque Gil, Carlos J. Rosa - Jiménez</i>
15:00	15:15	Evaluating the Emission of Co2 at Traffic Intersections for The Purpose of Reducing Emission Rate, Case Study: The University Of Nigeria, Nsukka <i>Nathan David</i>
15:20	15:35	Users’ Satisfaction in City Waterfront The Case of Jeddah Corniche <i>Lobna A. Mostafa</i>
15:40	15:55	Governance for Environmental Sustainability in Contexts of Rapid Urbanization. The Case of the Metropolitan Zone of Queretaro <i>Karol Yanez</i>
16:00	16:15	Architectural Education for Sustainable Urban Regeneration <i>Arzu Çahantimur</i>
16:20	16:35	New Challenges for a Collaborative Urban Planning: Digital Platform for Promoting Relationship between Local Administration and Citizens in the City of Malaga <i>Francisco José Chamizo Nieto, Nuria Nebot Gómez de Salazar, Carlos J. Rosa-Jiménez</i>
16:40	16:55	Metropolitan Area, a New Field of Analysis of the Algerian City <i>Lynda Hamadene</i>
17:00	17:30	<i>Closing Session & Remarks</i>

END OF DAY 3

