



2nd Memaryat International Conference

MIC 2018

Architecture and Urban Resiliency



MEMARYAT
Effat University

18th - 19th April 2018

Jeddah, KSA

Conference Program

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Day I – 18th April 2018
Building: Effat Library and Cultural Museum – Effat University, Gate 7

Registration	Venue: Effat Library Entrance Hall 8:00 AM. – 9:00 AM
Conference Start	Venue: Effat Library Cultural Museum 9:00 AM- 10:00 AM
Recitation from the Holy Quran & The Saudi National Anthem	9:00 – 9:05
Opening speech	<i>Dr. Samah Elkhateeb, Chair of Architecture Department, Effat University</i> 9:05 – 9:10
Conference Scientific Message	<i>Dr. Tarek S. Ragab, Professor & Chair, MIC 2018 Scientific Committee</i> 9:10 – 9:15
Keynote speech: “Global Resilience”	<i>Dr. Ahmed Rashed, Professor and Head of Centre of Sustainability and Future Studies, BUE, Egypt</i> 9:15 – 9:45
Break	9:45 -10:00

Papers Session 1 <i>Resilient Cities: Challenges and Solutions</i>	Venue: Effat Library Cultural Museum 10:00 AM - 11:45 AM
<i>Chair: Dr. Samah Elkhateeb, Co-chair Dr. Marwa Abouhassan</i>	
p.15 A Heterogeneous Resilient Approach to Urban Regeneration	<i>M. El-Shafie & A. El-Shorbagy</i>
p.25 Public Space and Urban Resiliency in Developing Countries	<i>Y. H. Abdalla</i>
p.18 Rethinking Urbanization: Cultural Mobility and Social Change	<i>K. Bakhsh</i>
P.68 Evaluating the Spatial Structure Resilience of Jeddah Neighbourhoods	<i>A. Refaat</i>
p.58 Assessing Coastal Cities' Vulnerability to Natural Hazards: The Case of Alexandria	<i>S. Tawfik, T. Ragab, M. Darwish</i>
Discussion	11:30 – 11:45

Papers Session 2 <i>Resilient Buildings and Structures: Challenges and Solutions</i>	Venue: Effat Library Seminar Hall 10:00 AM - 11:45 AM
<i>Chair: A. P. Dr. Mady Mohamed, Co-Chair: Dr. Samaa Badawy</i>	
p.19 Energy Efficiency of Existing Buildings in Hot and Dry Climate With Reference to the City of Riyadh	<i>M. Alwetaishi & A. Balabel</i>
p.05 Level of Façade Design Response to Solar Orientation for Buildings in Al-Madina Al-Munawara Central District Using WWR	<i>M. Sabbagh & A. Almalti</i>
p.49 Bioclimatism and Vernacular Architecture as a Pass for New Sustainable Structure	<i>A. Sami & K. Moumani</i>
p.24 Improving Classroom Energy Efficiency and Thermal Comfort with Natural Ventilation in University Classrooms	<i>Ahmed Freewan and Thaer Abdallah</i>
p.53 Integral Design Approach to Architectural Education	<i>Z. Aazam</i>
P.74 New Function of the Heritage buildings & its role on the Conservation Sustainability	<i>M. Fekry</i>
Discussion	11:30 – 11:45

Papers Session 3 *Resilient Buildings and Structures: Challenges and Solutions*

Venue: Effat Library Seminar Hall
3:00 PM. – 4:45 PM

Chair: Dr. Abdel Moniem El-Shorbagy, Co-Chair: Dr. Mohamed Al-Surf

p.29	استخدام حاويات الشحن في الأَسكان المؤقت	A. Elkady	3:00 - 4:30
p.13	Shipping Containers as a Modular Component for Green Economic Buildings	M. Madkour & A. Elmazilawy	
p.52	Detecting Egyptian New Cities Obstacles	M. Adel El-Sayed & M. El Zahar	
p.31	Design Guidelines for Health-Based Promenades in Jeddah	Z. Beydoun, M. Mohamed & A. Refaat	
p.08	Resilience Movement and Changing How Communities Approach the Challenges They Face: "How Architects Can Lead?"	W. Sheta	
Discussion			4:30 - 4:45

Papers Session 4 *Resilient Cities: Challenges and Solutions*

Venue: Effat Library Cultural Museum
4:15 PM. – 5:45 PM

Chair: P. Dr. Mohamed Fekry, Co-Chair: Dr. Haitham Hussein

p.11	Internet of Things as a Tool of City Resilience and Manifestation of Urban Vulnerability	Y. Berkani	3:00 - 4:30
p.44	Impact of Collecting Memory in Building Jeddah Identity	S. Refae & L. Mostafa	
P.72	Exploring the Issue of City Resiliency: Towards the Conservation of Its Own Identity: A Case study of Jeddah city	S. Samrgandi	
p.30	Investigate a proposal for Green Urban Sustainable System	S. Al-Kesmi, M. Mohammad and M. Al-Surf	
p.61	Conceptualizing Climate-based Adaptation and Resilience in Waterfront Zones of Alexandria, Egypt	S. Tawfik & T. Ragab	
p.16	Toward Walkable Neighborhoods: The Case of Jeddah, KSA	G. Alawi & A. Nayar	
Discussion			4:30- 4:45

Break 11:45 - 12:00

Conference Formal Inauguration

Venue: Effat Library Cultural Museum
12:00 PM. - 1:15 PM.

Inauguration speech	Dr. Haifa Jamal AlLail - President of Effat University	12:00 – 12:15
Conference Chair Speech	Dr. Mervat El-Shafie, Dean, College of Architecture and Design, Effat University	12:15 – 12:30
Keynote speech: "Neo Ekistics: Towards Resilient & Smart Urban Future"	Dr. Hisham Elkady, Professor and Dean of School of the Built Environment-The University of Salford,-Manchester UK	12:30 – 1:00
Honoring Ceremony		1:00 – 1:15

Posters & Projects' Exhibition

Venue: Effat Library Entrance Hall
1:15 PM. 2:00 PM.

Lunch Venue: Effat Dining Hall
2:00 PM-3:00 PM.

Day 2 - 19th April 2018
Effat Library and Cultural Museum– Effat University, Gate 7

Registration Venue: Effat Library Entrance Hall

9:00 AM. – 9:30 AM

Keynote speech: **“Cityology”** *Amr A. Attia, Professor of Urban Planning, Ain Shams University, Cairo. Egypt - Director, Design, Planning & Economics Lead, KSA* Venue: Cultural Museum

9:30 AM. – 10:00 AM

Roundtable Forum: Jeddah as a Resilient City: Challenges and Solutions by Jeddah’s Stakeholders Venue: Cultural Museum

10:00 AM. – 12:00 PM

Moderator: *Dr. Ziad Aazam*

Papers Session 5 Resilient Cities: Challenges and Solutions Venue: DGSR100

10:00 AM - 12:00 PM

Chair: *Dr. Aida Nayer, Co-Chair: Dr: Rasha Moussa*

p.17 Place-Making to Place-Keeping : Rethinking the Place Diagram *G. Alawi, T. Ragab, M. Mohammed*

p.51 Resilience: A Historical Perspective *A. Alshehri* **10:00 –11:30**

p.55 New Architectural Intervention in Historically Sensitive Contexts: Historic Cairo & Old Jeddah as Case Studies *T. Abdelsalam*

p.60 Photogrammetry as a Budget Tool for Preserving Jeddah Cultural Heritage *S. El-Khateeb*

p.40 Towards Resilient City: A Methodology for Post-Conflict Reconstruction: Insight from Urban Planning *A. Al Samarrai*

Discussion 11:30 – 12:00

Papers Session 6 Resilient Cities: Challenges and Solutions Venue: Effat Library Seminar Hall

10:00 AM - 12:00 PM

Chair: *Dr. Ahmed Refaat, Co- Chair Dr. Ahmad Waseef*

p.63 Water Management in the Challenge of Arid Lands: A Case Study of Storm Water in Jeddah *A. Nayer & O. Chikha,*

p.21 Zero Acreage Farming (Z-Farming) As a Strategy for Fostering Urban Resilience in the Rapidly Urbanizing Countries *A. Barau* **10:00 –11:30**

p.28 Coastal City Resilience - A Case Study of Chennai, India *Jaffer Khan*

P.54 Resiliency of Places: An Adaptive Approach for Shaping Urban Waterfront *M. Abouhassan & R. Moussa*

p.70 Rating sustainability at Effat University-Toward a Green Campus *A. Farag, R. Doheim, A. Alshaikh, S. Banjar & R. Helabi*

Discussion 11:30 – 12:00

Break 12:00- 12:30

Papers Session 7 Resilient Cities: Challenges and Solutions Venue: Effat Library Seminar Hall

12:15 PM - 02:00 PM

Chair, *Dr. Lobna Mostafa, Co-Chair: Dr. Dr. AlShaymaa El-Sayed*

p.39 Public Transportation System in Jeddah City *A. Azan*

p.43 Achieving Sustainability of Cities Through a Flexible and Harmonious Relationship between Industrial Development and Environment *A. Salem* **12:30 –2:00**

p.50	Negative Effects of Human Activities on the Environment in Nigeria (A Case Study of Sokoto Metropolis)	<i>L. Barau & I. Mu'Azu</i>	
p.62	City-to City Learning Exchange: Resilience Building for Local Governments in the Arab Region 2016-2017	<i>N. Eltinay & M. Eltahir</i>	
P.67	Integral Planning, Design and Action as an Approach to Urban and Architecture Resilience	<i>Z. Aazam</i>	
P.64	Smart city versus Resilient city	<i>W. M. Yousef & A. N. Elkady</i>	
	Discussion		2:00 – 2:30

Papers Session 8 Resilient Cities: Challenges and Solutions Venue: Effat Library Cultural Museum
12:15PM - 02:30 PM

Chair: *Dr. Rahma Doheim*, Co-Chair: *Dr. Essam Halak*

p.32	Resilient Social Housing projects in Egypt, Is it livable or leave-able?	<i>R. Nasr Eldin</i>	12:30 – 2:00
p.71	Resilient Human Ecologies: The Emergence of Urban Community Garden Webs in Jeddah	<i>D. Middleton</i>	
p.57	The Urban Voids Impact on the Community Activities in Jeddah - Saudi Arabia	<i>M. Bagader & M. Abuznada</i>	
p.56	Identifying the Urban Factors Affecting Resilience Strategies to Withstand Sea Level Rise In Coastal Cities.	<i>U. A. Nassar & A. Waseef, H. Elsamaty</i>	
p.59	Climate Change and Water-Related Hazards Facing Urban Areas of Alexandria, Egypt.	<i>M. Darwish, S. Tawfik</i>	
	Discussion		2:00 – 2:30

Papers Session 9 Resilient Cities: Challenges and Solutions Venue: DGSR100
12:15 PM - 02:30 PM

Chair: *A. P. Dr. Abeer Sami*, Co-Chair: *A. P. Dr. Tarek Abdelsalam*

p.69	Recovering Jeddah's Wadis – Building the City's Resilience Through Green Infrastructure	<i>H. Moatasim</i>	12:30 – 2:00
p.33	Reviving Jeddah's Food Basket: Southern Channel	<i>H. Motasim, E. Alsibyani, O. Filfilan, S. Alchikh, S. Ajineh, R. Ajineh</i>	
p.35	Jeddah's Breathing Lung: Airport Channel	<i>H. Motasim, M. Amin Idriss, R. Atal, A. Azan, D. Alqulaq</i>	
p.38	Al Freej Sustainability: Reviving the soul of Urban Conservations, Case of: "Freej al Fadhel" Al Manama, Kingdom of Bahrain	<i>R. Tariq</i>	
p.37	Vertical City Key For Land Use Problems Solving	<i>M. Yusuf</i>	
P.73	Mapping and Managing Fire Risks of The Heritage Sites: A Case Study of Jeddah's Historical Core.	<i>B. Bardeesi</i>	
	Discussion		2:00 – 2:30

Conference Closure Venue: Effat Dining Hall
2:30 PM - 4:30 PM

Conference conclusions - Recommendations	<i>Professor Tarek Ragab</i> , Chair, MIC 2018 Scientific Committee	2:30 – 4:30
Conference Chair Closure Speech	<i>Dr. Mervat El-Shafie</i> - Dean of College of Architecture & Design, Effat University	
Lunch		
Papers & Poster Awards- Recognitions	<i>Dr. Samah El-Khateeb</i> , Chair of Architecture Department, College of Architecture & Design, Effat University	

Social Event: Trip To Mecca 6:3PM -11PM