

RETBE'21

AGENDA

Day 1: Monday, December 20th, 2021

08:30 am	Registration (all day)	Faculty of Engineering
09:00 am - 10:45 am	Opening Ceremony: Prof. Rawya Kansoh , Conference Coordinator, Faculty of Engineering, Alexandria University Prof. Essam Wahba , Vice Dean, Faculty of Engineering, Alexandria University Prof. Said Allam , Dean, Faculty of Engineering, Alexandria University Prof. Abdelaziz H. Konsowa , President, Alexandria University	Hall A1
11:00 am - 12:00 pm	Keynote Speech Water Scarcity Research and Education in the Eras of Climate Change and Sustainable Development Prof. Hani Swelliem , RWTH Aachen University, Germany	Hall A1
12:00 pm - 01:00 pm	Coffee Break	SSP Building 1 st floor
01:00 pm - 01:15 pm	Delta Building Systems	
01:15 pm - 03:00 pm	Panel Discussion hosted by RETBE'21 Climate Change and Global Warming « Getting ready for UN COP 27 » Session Moderator: Prof. Rawya Kansoh, Faculty of Engineering, Alexandria University	Hall A1

Technical Virtual Meetings via ZOOM

Coordinators: Dr Yousry Taha, Dr Dina Elgayar

04:00 pm - 05:30 pm	Session #1: Water Issues *Chair Person: Prof. Haytham Awad *Co-chair: Dr Mohamed R. Torkomany Meeting ID: 976 2365 8279 Password: RETBE21	Session #2: Sustainable Urbanism *Chair Person: Prof. Hassan K. Abdel Salam *Co-chair: Dr Dina Saadallah Meeting ID: 860 7787 8928 Password: RETBE21
	Critic comparative analysis approach for Alexandria port – Alexandria city – Egypt, Mona Sayed Seifelislam, Amira. A Fathi, Ali Bakr.	Assessment of Livability in the Urban Built Environment in Alexandria, Egypt, Heba M. Affara, Hany M. Ayad, Dina M. Saadallah.
	Assessment of The Long-Term Shoreline Changes of El Alamein Coastal Area, Egypt, Ahmed Slama. Elstohey, Maysara Khairy El-Tahhan, Walid E. Reda, Hossam M. Moghazy.	Coastal Cities' Blue-Green Infrastructure Model (BGIM) The Case of New El-Alamin City, Egypt, Tasneem Amr, Asmaa Hassan, Khalid El Hagla.

	Risk management and cost analysis of treated wastewater reuse: Proposal for the New Al-Alamein city, Egypt, Sara AbdelMoula, Mohamed T. Sorour, Samia A. Aly.	Creating Sustainable Cities: Biomimicry as Conducive Approach, Sherouk Seif, Walid abdelal, Ali Bakr
	The Performance of Novel Draw Solutions in Brackish Water Desalination Using Forward Osmosis, T. M. Zewail, M.A. Dawod, S. M. Abd Elrazik, S.E. Elalfy, M. A. Saad, El-Sh. Ibrahim	The Influence of Urban Economics on The Growth of Historic Cities (Case Study: Alexandria), Rahma Hassan, Hassan Abdel Salam, Asmaa E. Hasan
		Effects of Vertical Densification on the built environment in the city of Alexandria, Walaa Khaled Helal, Dina M. Saadallah, Dina Taha.
06:00 pm - 07:30 pm	Session #3: Renewable Energy *Chair Person: Prof Wael Elmaghlany *Co-chair: Dr Mohamed Elhelw Meeting ID: 922 7832 3650 Password: RETBE21	Session #4: Sustainable Architecture *Chair Person: Prof Dina M. Nassar *Co-chair: Dr Ingi A. El Cherif Meeting ID: 835 5232 7943 Password: RETBE21
	Can Egypt achieve its target of 20% of electric energy from renewables by 2022? Tarek ElShennawy.	Architectural Programming and physical Sustainability: Optimizing Adaptability in the Pre-Design Phase, Sarah Essam, Hassan Abdel Salam, Asmaa E. Hasan
	Optimization of Green Hydrogen Utilization for Power Generation and Liquefaction for Export, A. Saleh, D. AbulMaaty, M. Mohsen, R. ElAdawy, Y. Mohamed, D. ElGayar, S. Haddara, H. Warda.	Morphology of Architectural Structure: An Approach to Assess Quality of Spaces and Performance of The Resulted Built-Forms, Yara H. Helmy, Ibrahim E. Ma'arouf, Asmaa E. Hasan
	Validation and Optimization of a Three Floats Wave Energy Converter, A. R. Bassiouny, Y. Welaya, Khaled A. Geba, T. M. Ahmed.	Biomimicry Principles as a Tool for Evaluating Buildings, Basma M. Abdel Aleem, Mohamed A. Fikry
	Influence of the variations of the geometrical parameters on the flanged diffuser augmented wind turbine performance, Amr M. Abdelrazek, Ahmad O. Abdelaziz, Sadek Z. Kassab.	Enhance the Environmental Performance of Existing Office Building Using Passive Cooling Techniques, Engy F. M. Ishak, Alessandro Rogora, Ibrahim H. Saleh, Zeyad M. Elsayed
	The Effect of Endplate Addition on the Perf Wind Turbine: A 3-D study, Sadek Z. Kassab, Chemengich S. Jamar, Eslam R. Lotfy.	Improving Energy consumption in social housing by using different levels of retrofitting, Allaa M. Abu Eldahb, Zeyad M. Elsayad, Ali F. Bakr.

* Faculty of Engineering, Alexandria University

Day 2: Tuesday, December 21 st , 2021		
08:30 am	Registration (all day)	Faculty of Engineering
9:00 am - 10:30 am	Panel Discussion Green Cement Industry (Hosted by Amreyah Cement) Session Moderator: Prof. Yehia ElShazly, Faculty of Engineering, Alexandria University	Hall A1
10:30 am - 12:00 pm	Panel Discussion Clean Energy and Green Hydrogen (Hosted by Ezz Steel) Session Moderator: Prof. Hassan Warda, Faculty of Engineering, Alexandria University	Hall A1
12:00 pm - 01:00 pm	Coffee Break	SSP Building 1 st floor
01:00 pm - 02:00 pm	Keynote speech Future of our cities; Surviving contemporary challenges Prof. Sahar Attia , Cairo University, Egypt	Hall A1
02:00 pm - 03:00 pm	Closing Ceremony	Hall A1
Technical Virtual Meetings via ZOOM		
04:00 pm - 05:30 pm	Session #5: Chemical Engineering *Chair Person: Prof Hassan Farag *Co-chair: Dr Dina Elgayar Meeting ID: 910 9012 4732 Password: RETBE21	Session #6: Green Building Materials, Sociological & COVID-19 Related Topics. *Chair Person: Prof Hani A. Ayyad *Co-chair: Dr Zeyad T. El Sayad Meeting ID: 813 3540 1768 Password: RETBE21
	Removal of Copper Ions from Industrial Wastewater by Ion Exchange resin using a Rotating Perforated Cylinder, Karim. K. Zakaria, Hassan. A. Farag, Dina. A. El-Gayar.	An Analytical Study of Contemporary Materials and Strategies Used for Government Affordable Housing Envelopes in Egypt, To Improve the Efficiency of Building Performance, Mennat-Allah M. Arboud, Ibrahim E. Maarouf, Mai M. Abdou.
	Adsorption of Organic Dye Using Spent Oil Shale, Noha Mahmoud, Ehssan Nassef, Mohamed Hussain.	Assessing the Impact of Urban Built Environment on Mental Health in Light of The COVID 19 Pandemic Case Study Alexandria, Egypt, Ann Ahmed, Hany Ayad, Dina Saadallah.
	Removal of Copper from Wastewater by Cementation Technique Using Unsubmerged Jet Reactor, M. H. Elzahaby, S. A. Nosier, G. H. Sedahmed, A. S. Fathalla, D. A. El-Gayar.	Socio-Spatial Aspects of Informalities' Relocation: Maspiro Triangle and Al-Asmarat Case Studies, Habiba M. Guenena, Hany M. Ayad, Dina Saad-Allah.
		Proposing Construction Regulations for Mastabas to Improve the Environmental Performance in Sudanese Cities, Maysara Osman, Khalid Al Hagla, Asmaa Hasan.

	Mass transfer Behaviour for a Gas Sparged rotating Cylinder electrode, H. K. Ali, S. A. Nosier, I. H. Mohamed, G. H. Sedahmed, M. A. El-Naggar	Behavior of Reusable T-Stub Beam Column Connection, Mohaymen Moustafa, Ahmed M.Khalifa, Ahmed Shamel Fahmy. Achieving resilience in COVID-19's New Normal: Changes in office buildings and workspaces design according to social distancing and teleworking parameters, Mohammed S. Ali, Tarek A. Farghaly, Dina M. Saadallah.
Day 2: Tuesday, December 21st, 2021		
	Session #7: Energy *Chair Person: Prof. Mohamed Teamah *Co-chair: Dr Ahmed Elwardany Meeting ID: 939 6738 1304 Password: RETBE21	Session #8: Technology in Architecture *Chair Person: Prof Dina S. Taha *Co-chair: Dr Asmaa El Sayed Meeting ID: 847 4126 5750 Password: RETBE21
06:00 pm – 07:30 pm	Numerical Investigation of Planning Hull Resistance Using Different Turbulence Models, Alsmoual A. Alhassan, Adel A. Banawan, Yasser M. Ahmed, Tamer. M. Ahmed, Maged M. Abdelnaby	(VIRTUAL HERITAGE) Digital Documentation and conservation of heritage, Heba Slumah, Mohamed Fikry, Waled Abdel Aal.
	Sustainable retrofits for high-rise building envelopes in North America: A communication, H. M. Teamah, M. Teamah.	Retrofitting Historical Buildings for Fire Resistance, Renal Salama, Mohamed Anwar Fikry, Ibrahim Marof
	Reducing Carbon Footprint of Thermal Natural Gas Power Plants Using Cryogenic Carbon Capture Technology, Abdurrahman A. Alsanousie, Abdelhamid E. Attia, Mohamed Elhelw, Osama A. Elsamni.	A Holistic Approach for the Digital Documentation of Urban Cultural Heritage Using HBIM, Lara A. Awad, Khalid S. M. Al-Hagla, Dina M. Nassar
	COVID-19 & the Nuclear Industry: Review of Impacts and Implications for Newcomer Countries, Mohamed H. M. Hassan.	Acoustic Environment and Architectural Characteristics of learning spaces via its Soundscape, Ayat K. Kamal, Mostafa R. Ismail, Mohammed S. Mayhoub.
	Spotlight on the influence of various parameters, related to the inlet injection region, on an air-water air lift pump performance, Sadek Z. Kassab, Abdelrahman A. Abdelrazek, Eslam R. Lotfy.	Designing Low Rise Green Buildings in Iraq with Emphasis on Structural Design Optimization and Thermal Performance, Shaymaa Mohammed Abass, A.Shamel Fahmy, Zeyad M.ElSayad, Shreen Moustafa Sewilm.
	Performance evaluation of a MOF-801 packed in copper foams-based adsorption cooling and desalination system, Mohamed Rezk, Mahmoud Elsheniti, Osama A. Elsamni.	Biomimetic Adaptation Techniques in Facades in Coastal Hot Climates, A.W. Mariam, H. Asmaa, E.H. Khaled.

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