Proceedings of

First Conference for Engineering Sciences and Technology Vol. 2

Editor

M. A. Elalem







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First Volume of this Proceedings is Published in "AIJR Proceedings" Series 2, 2018

at

https://doi.org/10.21467/proceedings.2

M. A. Elalem

(Editor)

Proceedings of

First Conference for Engineering Sciences and Technology

CEST-2018 (25-27th September 2018)

Volume 2

Organized by

Garaboulli and Al-khoms Engineering Faculties, Elmergib University (Libya)



Published by

AIJR Publisher, 73, Dhaurahra, Balrampur, India 271604



Proceedings of First Conference for Engineering Sciences and Technology (CEST-2018) 25-27th September 2018, Volume 2

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Conference Organizer

Garaboulli and Al-khoms Engineering Faculties, Elmergib University (Libya)

ISBN: 978-81-936820-6-7 (eBook)

Series

AIJR Proceedings Series Volume: 4

DOI: 10.21467/proceedings.4

Series Editor

Dr. Adam A. Bahishti

Published 30 November 2018

Imprint AIJR Books

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Published by



AIJR Publisher, 73, Dhaurahra, Balrampur, India 271604

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About CEST-2018

A scientific conference explores the developments of scientific research in the field of applied engineering sciences, technologies, material science, environmental and engineering management, in order to support inter-disciplinary work. The conference is being organized by Faculty of Engineering Garaboulli, and Faculty of Engineering, Al-khoms, Libya. The main objectives of this even are

- Focus on new developments in technical fields and display its key role in national development.
- Exchange ideas and experiences between the academics and technologists in engineering fields.
- Work among different engineering disciplines in design and implementation of projects.
- Role of engineering colleges and technical institutes in contributing effectively to development of Scientific research and link with related institutions.

A scientific conference explores the developments of scientific research in the field of applied engineering sciences, technologies, material science, environmental and engineering management, in order to support inter-disciplinary work. The following 43 but not limited to are the main tracks

1- Communication and Information Technology.

- Broad Band Communication
- Intelligent Communication.
- Mobile, Wireless and Optical Communication.
- Wireless Sensor Networks.
- Signal and Image Processing.
- Software Engineering and Cloud Computing.
- Computer Networks and Security.
- E-Government and E-Commerce.
- Education and Information Technology.

2- Electrical and Electronics Engineering

- Smart Grid Systems and Applications.
- Power Quality Improvement Techniques.
- Control System Technologies.
- Power System Modeling and Simulation.
- Power System Generation.

3- Oil and Chemical Engineering.

- Oil Exploration and Production Operations.
- Polymer Engineering and Technology
- Oil Refining Processes.
- Corrosion and Method of Prevention and treatment.

- Membrane science and Water Desalination.
- Modeling and Design in Chemical Processing.
- Separation processes and Petrochemical Production.

4- Industrial, Structural Technologies and Science Material

- Concrete and Building Technologies.
- Roads Engineering and survey.
- Design and Analysis of Mechanical and Structural.
- Production Processes, Welding Techniques and Heat Treatment.
- Rehabilitation of Engineering Facilities.
- Destructive and Non-destructive Tests.
- Engineering Materials and their Applications.
- Nano Technology in Engineering fields.

5- Engineering Systems and Sustainable Development

- Renewable and Alternative Energies.
- Water Purification and Water Distribution Networks.
- Feedback and Optimal Control Systems.
- Air Conditioning and Refrigeration Systems.
- Power System Generation.
- Hydraulic and Pneumatic Systems.
- Environmental waste management.
- Auditory and visual pollution.
- Auditory and visual pollution.
- Any other Topics on Architecture & Urban Planning

6- Engineering Management

- Risk Management.
- Design and Implementation Management.
- Quality Management Systems.
- Natural Resource Management.

Among about 145 contributed submissions, there were two keynote addresses, and 92 accepted research papers. The Conference started with reciting Quran and national anthem "Beladi" sung followed by inaugural speech delivered by Dr. Salhin Alaud, the organizing committee chair, faculty of Engineering, Elmergib University, Libya. The welcome speech was delivered by Dr. Mohamed Elalem, the scientific committee chair, Elmerghib university, followed by the Dean of the faculty of Engineering Dr. Farag Alsool. The Plenary talks were delivered by distinguished scientists; the details of which are available in the Scientific Program which is downloadable from the conference website http://cest2018.elmergib.edu.ly.

The Libya Iron and Steel Company, The Melleta Oil and Gas, Libya Export Promotion Center, Engineering Academy Tajoora, Zajel Libya and Elmergib University were the main Cosponsors of the CEST-2018.

About the Editor



Mohamed A. Elalem obtained his B.Sc. and M.Sc. in Electrical and Electronic Engineering (with specialization in Telecommunications) degrees in 1990 and 2006 respectively, and his Ph.D. in Electrical and Computer Engineering, Ryerson University, Toronto, Canada in wireless communications 2013. He is currently an assistant professor at telecommunications branch, faculty of Engineering, Elmergib University. He has contributed in a lot of conferences and committees (national and international). His main interesting areas are digital modulations schemes,

cognitive radio, spectrum sharing, optimization techniques and RF design and evolution. Elmergib University, Faculty of Engineering, Khoms, Libya.

Review Process

Authors were invited to submit abstracts which were peer reviewed by two specialists. The committee has received about (250) abstracts. The committee rejected about (40) abstracts. Then the authors were motivated to send their full-length papers for peer-review. CFP is managed by Easychair System. Each manuscript was peer-reviewed by two (2) technical specialists in fully blind base (the names and affiliation of the authors were hidden to the reviewers) The review process is conducted anonymously. To be published both reviewers were to agree separately that the manuscript met the standard required for publication in these proceedings.

Ignoring withdrawn papers, there were (160) papers submitted and (90) accepted for oral presentations. Three (3) papers were excluded from the proceedings according to their authors request. The committee and technical chairs would like to thank all the reviewers for their diligence and for contributing their time, effort and technical expertise to the review process.

The Committee

1	Dr. Mohamed A. Elalem	Libya	Elmergib University	Assistant prof	Chair
2	Dr. Meftah Alfatni	Libya	Elmergib University	Lecturer	Track 1
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					Coordinator
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		T 11	T1 11 11 1	D 4	Coordinator
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0	Di. Hatem Hatia	Libya	Emileigib Chiversity	Lecturer	Coordinator
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28	Dr. Ali Elghariani	Libya	University of Tripoli	Lecturer	
29	Dr. Ahmed Mohamed Goma	Libya	Elmergib University	Associate prof	
		L	1	l .	l

30	Eng. Abdulmajid Ferh	Libya	Elmergib University	Lecturer
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			Sheffield	
38	Dr. Abdelrazak Ben Jaber	Libya	Nat. Standriz. Center	Assistant prof
39	Dr. Salhin M. Alaud	Libya	Elmergib University	Lecturer
40	Dr. Matouk M. Elamari	Libya	Engineering Academy	Assistant prof
41	Dr. Khaled M. Dadesh	Libya	University of Tripoli	Assistant prof

Program Schedule

Program of The First Conference for Engineering Sciences and Technology (CEST-2018)				
	Day	1: Tuesday	, September 25	, 2018
	09:00-10:00			
D 4	10:00- 11:30			
Room 1	10:30-		Open Cerem	nony
	11:45-	Oral Session	[Communication and	Information Technology]
	13:00-		Lunch Bre	ak
	14:30-	Ora	l Session [Oil and Chen	nical Engineering]
	15:45-		Coffee Bre	ak
	16:15-	Oral Se	ssion [Engineering Sys	tems and Sustainable
	09:00-10:00			
	10:00-11:30			
Room 2	10:30-11:45			
11001112	11:45-13:00	Oral S	ession [Electrical and Ele	ectronics Engineering]
	13:00-14:30	Lunch Break		
	14:30-15:45	Oral Session	[Industrial, Structural	Technologies and Science
	15:45-16:15		Coffee Bre	ak
	16:15-17:30	Oral Session	[Industrial, Structural	Technologies and Science
	Septe	ember 25 - 27,	2018 – Garaboulli, L	ibya
Time	Tues	sday	Wednesday	Thursday
09:00 - 10:00) Regis	stration	Invited Speaker	Invited Speaker
10:00 - 10:30	Coffe	ee Break		
10:30 - 11:45	Oper	n Ceremony	Oral Sessions	Oral Sessions
11:45 - 13:00 Oral		Sessions		
13:00 - 14:30	Lunc	ch Time	I	<u> </u>
14:30 - 15:45	5 Oral	Sessions	Oral Sessions	Oral Sessions
15:45-16:15	Coffe	ee Break		
16:15 - 17:30) Oral	Sessions	Oral Sessions	Close Ceremony

Tuesday, September 25, 2018 (11:45 – 13:00)

Room 1

	Session: Communication and Information Technology			
Chai D	r. Meftah Salem	Alfatni and Dr. Khalid Mohamed Alajel		
Ti m e	Paper ID	Paper Title	Author(s)	
11:45-12:00	CEST_013	Fiber-Optic Temperature Sensor Design Adapted for Libyan	Mohamed Bin Saeed Mohamed Otman Twati	
12:00-12:15	CEST_070	The performance of Space Time Block Coding (STBC) in MIMO Relay Network	Hamza Ali Jamal Elbergali	
12:15-12:30	CEST_129	Hearing Protection System by Using a Simple Noise Reduction Strategy	Izziddien Alsogkier	
12:30-12:45	CEST_136	Enhancement of Bandwidth of U-shape Loaded Microstrip Patch Antenna According to 802.11b Standard	Mohamed A. S. Alshushan Fadel A. M. Alaswad Marai M. Abousetta	
12:45-13:00	CEST_185	Experimental Evaluation of the Humans' Health Hazards' Potential Due to Exposure to the Microwaves' Radiations in Garabouli City-Libya.	Abdurahman Altawil Mohamed Youssef Abdelbaset Karem Omran Majdi Masoud Alrajhi	

Session: Electrical and Electronics Engineering				
Chai I	Dr. Adnan S. Krzm	a and Dr. Mohmoud Y. Khamaira		
Ti me	Paper ID	Paper Title	Author(s)	
11:45-12:0	00 CEST_058	Micro Gas Turbine Simulation and Control	Ibrahim Sharif Mahmoud Mansour El-	
12:00-12:	15 CEST_217	Antenna Elevation Control using Multiple Switched Self-tuning Controllers Design	Othman E. Aburas Ahmed M. Alnajeh Youssef Amer Arebi	
12:15-12:	30 CEST_220	Control of a Three-phase Off-Grid Inverter for Renewable Energy Systems Applications	Ali M A Almaktoof Abdulsslam M Ashoor Shaouf	
12:30-12:4	45 CEST_111	Optimal Power Loss Minimization using Optimal Size and Location of Shunt	Hesain Milad Alfrd	

12:45-13:00	CEST_114	Experimental Investigation on the	A.Kagilik
		Performance Evaluation of Solar Tracking	S. Mousa
		Photovoltaic System	I.Enageem

Tuesday, September 25, 2018 (14:30 – 15:45)

	Session: Oil and Chemical Engineering				
Chair Dr. I	Mohamed K. Za	ambri and Dr. Ali Elkaish			
Ti me	Paper ID	Paper Title	Author(s)		
14:30-14:45	CEST_025	Synthesis gas Production with High Hydrogen Concentration Aspen Simulation.	Abdalhamed A. E. Musbah Salah.M.Algoul Abdalbaset M.R		
14:45-15:00	CEST_040	A Stochastic Optimisation Technique for Tuning a Yousif Alsadiq Continuous Stirred Tank Reactor Controllers			
15:00-15:15	CEST_060	Verification of the reserves of Al-Hamada Oil Field V-NC6 Area by Application of Well Logs	Tariq Basher Essa Tabar		
15:15-15:30	CEST_077	Boilers Performance Evaluation of Zuara Desalination Plant	Ali Muftah Mabruk M. Abugderah		
15:30-15:45	CEST_116	Estimation of Original Oil in Place for Belhedan Oil Field by Using Volumetric Method, Material Balance Equation Method, and Reservoir Simulation Method	Ali Nasar Jibriel Abusaleem Essa M. Tabar		

	Session: Industrial, Structural Technologies and Science Material				
Chai D	r. Hosen A. Jawa	ın and Dr. Salem M. Sharif			
Ti me	Paper ID	Paper Title	Author(s)		
14:30-14:45	CEST_015	The Effect of Using Ash Residues of Olive Fruits on the Properties of Cement Mortar	Hamza Almadani Mukhtar Muammar Aburawi		
14:45-15:00	CEST_017	Study the Performance of Solar Water Heater with Various Loads	Ghassan Almasri Mustafa El- Musbahi		
15:00-15:15	CEST_024	Effects of Reduction in Construction Temperature on Workability of Warm Mix Asphalt Incorporating Rh-Wma Additive	Bashir M. Aburawi		

15:15-15:30	CEST_032	Seismic Response of Reinforced Concrete	Issa. A. Mohammed
		Buildings as Predicated by the Draft of	Suleiman. A.
		Libyan Standard (DSLS-1977) and (IBC-	Khatrush
15:30-15:45	CEST_035	Nonlinear Structural Dynamic Response of	Awatif Twil
		Multi-Story Buildings Under Seismic	

Room 2

Tuesday, September 25, 2018 (16:15 – 17:30)

Room 1

Session: Engineering Systems and Sustainable Development					
Chai Dr	. Hatem Hadia a	nd Dr. Khaled Abdusamad			
Ti me	Paper ID	Paper Title	Author(s)		
16:15-16:30	CEST_062	Exergy Analysis Of A Brine Mixing Othrough MSF Distillation Plant	Usama Ezzeghni Mohamed Abduljawad		
16:30-16:45	CEST_064	The Optimal Membrane Type for the Next Membrane Replacement of Tajoura SWRO Desalination Plant	Usama Ezzeghni		
16:45-17:00	CEST_072	Feasibility Study of Cardboard Waste Recycling	Mahdi Esmieo Moad Shaklawon		
17:00-17:15	CEST_103	Designing and Optimizing 10,000 M3/Day Conventional SWRO	Usama Ahmed		
17:15-17:30	CEST_120	Finite Element Modeling and Simulation of A Microstructure Silicon	Mohamed Shaglouf Elharoshi Diryak		
		Beam Resonant	Ahmed Abugalia		

Session: Industrial, Structural Technologies and Science Material						
Chai Dr	: Hosen A. Jawa	n and Dr. Abdell	named 1	. Ganaw		
Time	Paper ID		aper Title		Author(s)	
		,				

16:15-16:30	CEST_038	Investigations of Kaolin Clay Collapse Behavior Using an Oedometer Apparatus	Musbah Hasan Gumaa Abdelazizi Hasan
16:30-16:45	CEST_059	Design of Reinforced Concrete Beams using Two Different Methods	Gumaa Hasan Mohammed A. Elsageer Musbah A. Hasan
16:45-17:00	CEST_082	High Density Polyethylene/Libyan Kaolin Clay Nanocomposites: Effect of Clay Particle Size on Rheological, Surface aMechanical Properties	Abdalbary Rhab Anour Shebani Abdalah Klash Abdelkader Aswei Khalid Omran Abdalbary Rhab
17:00-17:15	CEST_098	كيفية الاستفادة من مخلفات الخرسانة في حالتها الطازجة	م. علي عثمان مسعود م. محمد ميلاد الأشتر
17:15-17:30	CEST_167	A Review Study of The Effects of Air Voids on Asphalt Pavement Life	Ali Zaltuom

End of the 1st day

	Day 2: Wednesday, September 26, 2018				
	09:00-10:00	Invited Speaker [Dr. Hamid H Sherwali]			
	10:00-10:30	Coffee Break			
Room 1	10:30-13:00	Oral Session [Communication and Information Technology]			
	13:00-14:30	Lunch Break			
	14:30-15:45	Oral Session [Electrical and Electronics Engineering]			
	15:45-16:15	Coffee Break			
	16:15-17:30	Oral Session [Engineering Systems and Sustainable			
		Development + Engineering Management]			
	09:00-10:00				
	10:00-10:30	Coffee Break			
Room 2	10:30-13:00	Oral Session [Industrial, Structural Technologies and Science Material]			
	13:00-14:30	Lunch Break			
	14:30-15:45	Oral Session [Engineering Systems and Sustainable			
		Development]			
	15:45-16:15	Coffee Break			
	16:15-17:30	Oral Session [Industrial, Structural Technologies and Science			
		Material]			

Wednesday September 26, 2018 (10:30 – 13:00)

	Session: Industrial, Structural Technologies and Science Material					
	Chai Dr. Abdussalam M. Rifai, Dr. Moamer Hmead and Dr. Bashir S. Younise rs:					
Γ	ime		Paper ID	Paper Title	Author(s)	

10:30-10:45	CEST_170	Modeling and Finite Element Analysis of Leaf Spring Using Pro-Engineer and ANSYS Softwares	Salem Fathi Elsheltat Abdulbaset Alshara
10:45-11:00	CEST_197	Influence of Plastic Bottles Fibre on Self Compacting Concrete	Abdelhamed Ganaw Basel Meghari Abdulnasir Alkoum
11:00-11:15	CEST_212	Prediction of local concretes compressive strength using the maturity method	Mohammed Elsageer Wisam Elhmali Mansour
11:15-11:30	CEST_225	Design of Vertical Pressure Vessel Using ASME Codes	Najeeb A. Yahya Othman M. Daas Nureddin O.
11:30-11:45	CEST_226	Design Methodology for Supply Water Distribution Network; Case Study: Al- Hadeka District, Garaboulli-Libya	Abdulghani Ramadan Khairi Algrad
11:45-12:00	CEST_158	Static and Dynamic Analysis of Multistory RC Building with Various Heights in High Seismic Zone	Md. Shahnewaz Sarkar Ghusen Al-Kafri
12:00-12:15	CEST_140	Influence of Surface Roughness on Adhesion between the Existing and new plain concretes	Nurdeen Altwair Saad Jaber Abu Jarir
12:15-12:30	CEST_021	Thermal performance of a heat pipe with different working fluids	Ayad Alwaer Jasson Gryzagoridis
12:30-12:45	CEST_026	Effect of Corrugation Geometry And Shape On Energy Absorption of composite plate.	Fathi A.al ssahly Khalid A. Elbkory
12:45-13:00	CEST_132	Analysis of the Failure of Cylindrical Pressure Vessels	Osama Terfas Arwa M. Elambrouk Ahlam Y. Elraqiq

Room 2

Session: Communication and Information Technology						
Chai I	, and the second					
Time	Paper	Paper Title	Author(s)			
	ID					
10:30-	CEST_	A Novel Chaotic Uniform Quantizer for	Osama Alkishriwo			
10:45	124	Speech Coding				

10:45- 11:00	125	Iterative TimeVarying Filter Algorithm Based on Discrete Linear Chirp Transform	Osama Alkishriwo Ali A. Elghariani Aydin Akan
11:00- 11:15	CEST_ 131	Fast Efficient Transforms for Contour Extraction from Encrypted Medical Image	Ali Ukasha Ali Ahmed Ganoun
11:15- 11:30	CEST_ 047	Employing Various Data Mining Techniques to Forecast the Success Rate of Information Technology Education Students	Mosbah Mohamed Elssaedi
11:30- 11:45	CEST_ 187	Capability of Modified SIFT to Match Stereo Imagery System	Omar Abusaeeda Salah Naas Nasar Aldian Shashoa
11:45- 12:00	CEST_ 144	Fast Efficient Transforms for Contours Extraction and Image Compression using Zonal Sampling Methods	Ali Ukasha Abdolhameed Ali Madi
12:00- 12:15	CEST_ 049	Multiple Noises Removal from Computed Tomography (CT) Images	Abdelkader Salama Alrabaie Marwan M M El marmuri Emhimed Saffor
12:15- 12:30	CEST_ 054	A New Technique to Encrypt-Decrypt Digital Color Images Using One- Dimensional Matrix	Khdega A.Yosef Galala
12:30- 12:45	CEST_ 085	Using Triple Modular Redundant (TMR) Technique in Critical Systems Operation	Ali A. Tamtum Samira Abu Shernta
12:45- 13:00	CEST_ 084	Building English Vocabulary Schema and Words Retention Using Review Value Calculation for English as Secondary Language Students	Mosbah Mohamed Elssaedi Burnhan Mustafa Tanis Melvin A. Ballera

Wednesday, September 26, 2018(14:30 – 15:45)

Room 1

Cha Di	r. Adnan S	. Krzma and Dr. Ali Tamtum	
Ti m e	Paper ID	Paper Title	Author(s)
14:30-14:45	CEST_ 168	Comparative Analysis of Electric Field and Potential Distributions over Porcelain and Glass Insulators Using Finite Element Method	Adnan S. Krzma Mahmoud Y. Khamaira Maruwan Abdulsamad
14:45-15:00	182	Long Term Peak Load Forecasting for the Libyan Network	Mahmoud Y. Khamaira Adnan S. Krzma A. M. Alnass
15:00-15:15	CEST_ 184	THD Investigation of Hybrid Cascaded Multilevel Inverter	A.Elzowawi Islam Saad Mustafa Elsherif
15:15-15:30	CEST_ 206	Impact of Wind Generation Location on Power System Losses	Ibrahim Naser
15:30-15:45	CEST_ 223	Excimer Laser Processing of IGZO Thin Films for Transparent TFTs	Khairi Abusabee Khalid .M. Alajel Salem .O. Elhamali

Session: E	Session: Engineering Systems and Sustainable Development					
	Ch Dr.	Mohamed A. Alaalam, and Dr. Mohamed S.	Elforgani			
Т	Paper	Paper	Author(s)			
i	ID	Title				
m						
e						
14:30-14:45	CEST_	Zero Energy and Low Water Schools:	Salhin Alaud			
	157	Case Study Building of Garaboulli	Khalid M. H. Jaballa			
		Engineering Faculty-Libya	Abdulghani M. Ramadan			

14:45-15:00	CEST_ 155	Wind Energy Reliability Analysis based on the Monte Carlo Simulation Method	Khaled Abdusamad
15:00-15:15	CEST_ 174	Synthesis and characterization of magnetic CoFe1.9Cr0.1O4 nanoparticles by sol-gel method and their applications as an adsorbent for water treatment	Ibrahim Amar Abubaker Sharif Najat A. Omer Naght E. Akale
15:15-15:30 15:30-15:45	CEST_ 178 CEST_ 190	To What Extent Do Nursery Group Rooms Match with The Architectural Solar Hydrogen Production System Simulation using Pscad	Eatima Altohami Mustafa Zarigan Lutfi Senan Muftah Omamaa Matouk M. Elamari

Wednesday, September 26, 2018(16:15 – 17:30)

Session: Engineering Systems and Sustainable Development + Engineering Management					
Chai Dr.	Chai Dr. Mohamed A. Alaalam and Dr. Abdulghani M. Ramadan				
Time	Paper ID	Paper Title	Author(s)		
16:15-16:30	CEST_19 3	Performance Analysis of a Solar	Islam Shahboun		
		Driven Single Stage LiBr/H2O Absorption Refregiration System	Salem Omran Adeilla		
16:30-16:45	CEST_20	Preserving. Architectural Heritage	Hussein Ali		
	3	within the International Covenants	Ashraf Laswad		
		and its Reflection in the Libyan Case	Latefa Wafa		
16:45-17:00	CEST_21 9	Measuring urban clarity of the built environment	Fawzi Mohamed Agael		
17:00-17:15	CEST_17	Key Performance Indicators in Libyan	Mahmoud Matoug		
	9	Oil and Gas Projects	Abdulbaset Frefer		
			Haleema Omer		
17:15-17:30	CEST_19	An Investigation of Corrosion Risks	Abdulbaset Frefer		
	9	in the Oil and Gas Pipelines Using	Mahmoud M.		
		Analytical Hierarchy Process and	Matoug		
		Fuzzy Analytical Hierarchy Process	Fatma L. Haddada		

Room 2

		Younise and Ahmed M. Hamruni	
Ti me	Paper ID	Paper Title	Author(s)
16:15-16:30	CEST_0 29	Effects of Spring Stiffness on Suspension Performances Using Full Vehicle Models	Moamar Hamed M. Elrawemi
16:30-16:45	CEST_0 30	Influence of Coolant Concentration on Surface Roughness during Turning of Steel C-6	Abdulaziz Abodena Muhannad Alrzage Ibrahim K. Husain
16:45-17:00	CEST_0 39	Effects of outlet nozzle geometry on Swirling Flows in gas turbine	Hesham Baej Adel Akair Adel Diyaf Salem Adeilla
17:00-17:15	CEST_0 27	Mapping of Sea Water Intrusion in the Westren Libyan Coast using Geoelectric Method: Case Study	Abdel Hameed M. Salem Magdi A. Mountasir Husam Abdussalam R. Shames
17:15-17:30	CEST_0 28	Effects of Different Fluids Properties on Cavitation Performance in Centrifugal Pump	Saad Ghidhan Moamar Hamed Mansor Benaros

End of 2nd day

Day 3: Thursday, September 27, 2018				
	09:00-10:00	Invited Speaker [Dr. Tammam Ben Mousa] (apologized for coming)		
	10:00-	Coffee Break		
	10:30-	Oral Session [Industrial, Structural Technologies and Science		
Room 1	13:00	Material]		
	13:00-	Lunch Break		
	14:30-	Oral Session [Communication and Information Technology +		
	15:30	Electrical and Electronics Engineering]		
	15:30-	Close Ceremony		
	16:30	, and the second		
	09:00-10:00			
	10:00-	Coffee Break		
	10:30-	Oral Session [Oil and Chemical Engineering]		
Room 2	12:45			
	13:00-	Lunch Break		

Thursday, September 27, 2018 (10:30 – 13:00)

Session: Industrial, Structural Technologies and Science Material					
Chai	Chai Dr. Matouk M. Elamari, Dr. Mustafa A. Almusbahi and Dr. Salhin Alaud				
Ti me		Paper ID	Paper Title	Author(s)	
10:30-10):45	CEST_1 22	The Effect of Adding Steel Slag and Lime on the Engineering Properties of a Sandy Soil	Mohammed Elsageer Ayad Abdelmoula	
10:45-11	:00	CEST_1 59	Capablity of Designing a Novel Smart Fluid Damper using a Mckibben Actuator	Haithem Elderrat Elganidi Elsaghier	
11:00-11	:15	CEST_0 50	Theoritical Invistigation Of An Indirect Evaporation Air Cooling System	Mohamed Alowa Gassem A. Azzain	

11:15-11:30	CEST_0	Aerodynamic Effects Of Blade Positive	Ali Kwedikha
	41	Sweep In Axial Flow Cascades	Abdul Azeam A. Elgayed
			Abelmalek N. Algaaoud
11:30-11:45	CEST_0	Built to Code Building Envelop Versus	Mohamed Ali Karim
	19	Sustainability of High-Rise Building	
		Performance	
11:45-12:00	CEST_0	Simple and Sustainable Constipate to Save	Abdualraouf Mohamed
	20	Cost and Time for Constructions Structure	Mohamed Ali Karim
12:00-12:15	CEST_0	Monitoring Mis-Operating Conditions of	Osama Hassin
	57	Journal Bearings based on Modulation Signal	Usama Haba
		Bispectrum Analysis of Vibration Signals	Fengshou Gu
12:15-12:30	CEST_0	Particle Size Dependence of MnO Reduction	Khalid Almadhoni
12.13-12.30	83	for Fabrication of [Al-AlMnO] X	
	63	Composite vir Stir Casting	Sabah Khan
12:30-12:45	CEST_1	Nanotechnology: Concepts, Importance and	Samieh Abu Saad
	15	the Current State of Scientific Research	Amani Elmahjubi
12:45-13:00	CEST_1	Investigation into Accuracy of LGD2006 for	Ahmed Hamruni
	62	Medium-elevation Areas	Adel Alkilani

Session: Oil and Chemical Engineering				
Chai Dr	. Abduel M	ajid K. Najjar, Dr. Ali S. Ebshish and Dr. Ibrah	im M. El Aziz	
Time	Paper	Paper Title	Author(s)	
	ID			
10:30-10:45	CEST_0	CO ₂ Corrosion Inhibitor Assessment Using	Abdelrazag Aziz	
	45	Various Measurement Techniques in		
10:45-11:00	CEST_1	Pressure Transient Analysis by Using MS.	Essa M. Tabar	
	39	Excel Sheet and Computer Programming	Ali Omran Nasar	
			Tariq Basher	
11:00-11:15	CEST_1	Evaluation of Corrosion Resistance of Mild	Ali Elkais	
	41	Steel and Aluminium Using Anodic	Mohamed K Zambri	
		Inhibitor Method and Passivity.		
11:15-11:30	CEST_2	Optimum deposition of Tungsten Oxide on	Asma M. Husin Milad	
	00	Titania Nanotubular and study	Soud Saad Awitil	
		Photoactivity of Nano-Composite	Mohammad B. Kassim	
		Photoanode	Wan Ramli Wan Daud	

11:30-11:45	CEST_2 08	Modeling the Effect of CO ₂ on Thermodynamic Behavior of CO ₂ /Libyan Natural Gas Mixture	Almahdi Alhwaige Ali S. Bshish Salem M. Abdusalam Ahmed M. Ebshish
11:45-12:00	CEST_2 14	Novel Green Sorbents Derived from Mesembryanthemum-based Biomass for Wastewater Treatment Applications	Almaki Abushaina Abdelrahman Sultan Wael Elhrari Almahdi A. Alhwaige
12:00-12:15	CEST_2 15	Novel Green Photocatalysts Derived from Date-based biomass/TiO ₂ for Photocatalytic Oxidation of Methylene Blue Dye in Aqueous Solutions	Almahdi Alhwaige Mohammed A. El- Ghweil Wael Elhrari
12:15-12:30	CEST_0 83	Particle Size Dependence of MnO Reduction for Fabrication of [Al-AlMnO] _X Composite vir Stir Casting	Khalid Almadhoni Sabah Khan
12:30-12:45	CEST_2 27	Estimation of Empennage Design Weight in Conceptual Design Phase for Tactical	Abdulhakim Muhammad Essari

Thursday, September 27, 2018 (14:30 – 16:00)

Session: Communication and Information Technology + Electrical and Electronics					
Engineering					
Chai Dr	. Izziddien	Alsogkier and Dr. Ausama H. Ahmed			
Ti m e	Paper ID	Paper Title	Author(s)		
14:30- 14:45	CEST_1 51	Bandwidth Optimization Through Hybrid Codecs G.711 and G.729 for VoIP Ethernet, FR and MP Networks	Abdullah Masrub Mohamed Alahemar AbdulSalam Addeeb		
14:45- 15:00	CEST_1 64	Modeling and Performance Evaluation of MapReduce in Cloud Computing Systems Using Queueing Network	Guzlan Miskeen		
15:00- 15:15	CEST_1 09	Handwriting Arabic Words Recognition Based on Structural Features	Salim Aloud		
15:15- 15:30	CEST_1 28	Color Image Encryption in the Spatial Domain Using 3-D Chaotic System	Osama Alkishriwo Hanan Salem Alzreghi		

15:30-	CEST_1	0 ,1	Osama Alkishriwo
15:45	71	Steganography Algorithm in the Spatial Domain	Aya H. S. Abdelgader
1 - 4 -	CECT 0	T CT 1 D C All 1	0
15:45-	CEST_2	Loss of Load Expectation of Alkhoms	Mohamed Altaher Ben
16:00	24	Generating Units	Mouhsen
			Ali A. Tamtum