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Vol. 1

Editor

M. A. Elalem

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(CEST-2018)

The Horizons of Engineering Sciences between Reality and Future Challenges

Organised by Garaboulli and Al-khoms Engineering Faculties

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(Editor)

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CEST-2018 (25-27th September 2018)

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Organized by

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

Proceedings of First Conference for Engineering Sciences and Technology (CEST-2018) 25-27th September 2018, Volume 1

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

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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 Coordinator
3	Dr. Adnan S. Krzma	Libya	Elmergib University	Lecturer	Track 2 Coordinator
4	Dr. Ali Ebshish	Libya	Elmergib University	Assistant prof	Track 3 Coordinator
5	Dr. Hosen Jawan	Libya	Elmergib University	Professor	Track 4 Coordinator
6	Dr. Hatem Hadia	Libya	Elmergib University	Lecturer	Track 5 Coordinator
7	Dr. Mohamed A. Alaalam	Libya	Elmergib University	Professor	Track 6 Coordinator
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18	Dr. Mohamed K. Zambri	Libya	Elmergib University	Assistant prof	
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20	Dr. Abdussalam M. Rifai	Libya	Elmergib University	Professor	
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22	Dr. Abduel Majid K. Najjar	Libya	Elmergib University	Professor	
23	Dr. Mahmoud Y. Khamaira	Libya	Elmergib University	Lecturer	
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26	Dr. Abubaker Alshuiref	Libya	Elmergib University	Assistant prof	
27	Dr. Abdussalam Addeeb	Libya	Elmergib University	Associate prof	
28	Dr. Ali Elghariani	Libya	University of Tripoli	Lecturer	

29	Dr. Ahmed Mohamed Goma	Libya	Elmergib University	Associate prof	
30	Eng. Abdulmajid Ferh	Libya	Elmergib University	Lecturer	
31	Dr. Abubkr Abdelsadiq	Libya	Elmergib University	Assistant prof	
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35	Dr. Mohamed El-Abboud	Libya	Elmergib University	Associate prof	
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37	Dr. Bashir Ashhuby	UK	University of Sheffield	Lecturer	
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

Day 1: Tuesday, September 25, 2018			
Time	**Tuesday**	**Wednesday**	**Thursday**
09:00 - 10:00	Registration	Invited Speaker	Invited Speaker
10:00 - 10:30	Coffee Break		
10:30 - 11:45	Open Ceremony	Oral Sessions	Oral Sessions
11:45 - 13:00	Oral Sessions		
13:00 - 14:30	Lunch Time		
14:30 - 15:45	Oral Sessions	Oral Sessions	Oral Sessions
15:45-16:15	Coffee 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			
Chair	Dr. Meftah Salem Alfatni and Dr. Khalid Mohamed Alajel		
Time	**Paper ID**	**Paper**	**Author(s)**
11:45-12:00	CEST_013	Fiber-Optic Temperature Sensor Design Adapted for Libyan Environment	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

Room 2

Session: Electrical and Electronics Engineering			
Chai	Dr. Adnan S. Krzma and Dr. Mohmoud Y. Khamaira		
Ti me	Paper ID	Paper	Author(s)
11:45-12:00	CEST_0 58	Micro Gas Turbine Simulation and Control	Ibrahim Sharif Mahmoud Mansour El-Othman E. Aburas
12:00-12:15	CEST_2 17	Antenna Elevation Control using Multiple Switched Self-tuning Controllers Design	Ahmed M. Alnajeh Youssef Amer Arebi
12:15-12:30	CEST_2 20	Control of a Three-phase Off-Grid Inverter for Renewable Energy Systems Applications	Ali M A Almaktoof Abdulsslam M Ashoor Shaouf
12:30-12:45	CEST_1 11	Optimal Power Loss Minimization using Optimal Size and Location of Shunt	Hesain Milad Alfrd
12:45-13:00	CEST_1 14	Experimental Investigation on the Performance Evaluation of Solar Tracking Photovoltaic System	A.Kagilik S. Mousa I.Enageem

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

Room 1

Session: Oil and Chemical Engineering			
Chair	Dr. Mohamed K. Zambri and Dr. Ali Elkaish		
Tim	Paper	Paper	Author(s)
14:30-14:45	CEST_02 5	Synthesis gas Production with High Hydrogen Concentration Aspen Simulation.	Abdalhamed A. E. Musbah Salah.M.Algoul Abdalbaset M.R. Algish Eisa A. abdalaslam
14:45-15:00	CEST_04 0	A Stochastic Optimisation Technique for Tuning a Continuous Stirred Tank Reactor Controllers	Yousif Alsadiq
15:00-15:15	CEST_06 0	Verification of the reserves of Al-Hamada Oil Field V-NC6 Area by Application of Well Logs	Tariq Basher Essa Tabar Ali Omran
15:15-15:30	CEST_07 7	Boilers Performance Evaluation of Zuara Desalination Plant	Ali Muftah Mabruk M. Abugderah Hakem S. Dakhel
15:30-15:45	CEST_11 6	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

Room 2

Session: Industrial, Structural Technologies and Science Material			
Chai	Dr. Hosen A. Jawan and Dr. Salem M. Sharif		
Ti	Paper	Paper	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 Benur Maatug
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 Buildings as Predicated by the Draft of Libyan Standard (DSLS-1977) and (IBC-2009)	Issa. A. Mohammed Suleiman. A. Khatrush
15:30-15:45	CEST_035	Nonlinear Structural Dynamic Response of Multi-Story Buildings Under Seismic Loading	Awatif Twil

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

Room 1

Session: Engineering Systems and Sustainable Development			
Chair	Dr. Hatem Hadia and Dr. Khaled Abdusamad		
Tim	Paper ID	Paper	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 Omar Shaneb
17:00-17:15	CEST_103	Designing and Optimizing 10,000 M3/Day Conventional SWRO Desalination Plant	Usama Ahmed
17:15-17:30	CEST_120	Finite Element Modeling and Simulation of A Microstructure Silicon Beam Resonant	Mohamed Shaglouf Elharoshi Diryak Ahmed Abugalia

Room 2

Session: Industrial, Structural Technologies and Science Material			
Chair	Dr. Hosen A. Jawan and Dr. Abdelhamed I. Ganaw		
Tim	Paper	Paper	Author(s)
16:15-16:30	CEST_0 38	Investigations of Kaolin Clay Collapse Behavior Using an Oedometer Apparatus	Musbah Hasan Gumaa Abdelazizi Hasan
16:30-16:45	CEST_0 59	Design of Reinforced Concrete Beams using Two Different Methods	Gumaa Hasan Mohammed A. Elsageer
16:45-17:00	CEST_0 82	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
17:00-17:15	CEST_0 98	كيفية الاستفادة من مخلفات الخرسانة في حالتها الطازجة	م. علي عثمان مسعود م. محمد ميلاد الأشتر
17:15-17:30	CEST_1 67	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

Room 1	09:00-10:00	Invited Speaker [Dr. Hamid H Sherwali]
	10:00-10:30	Coffee Break
	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]**
Room 2	09:00-10:00	
	10:00-10:30	Coffee Break
	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)
Room 1

Session: Industrial, Structural Technologies and Science Material			
Chairs:	Dr. Abdussalam M. Rifai, Dr. Moamer Hmead and Dr. Bashir S. Younise		
Time	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 Mohammed Alagi
11:00-11:15	CEST_212	Prediction of local concretes compressive strength using the maturity method	Mohammed Elsageer Wisam Elhmali Mansour Hamad Suliman Abulaaj

Time	Paper ID	Paper Title	Author(s)
11:15-11:30	CEST_225	Design of Vertical Pressure Vessel Using ASME Codes	Najeeb A. Yahya Othman M. Daas Nureddin O. Fahel Alboum
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 Md. Shaizuddin Sarkar
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			
Chair	Dr. Ahmed M. Goma, Dr. Khaled M. Dadesh and Dr. Abdullah A. Masrub		
Time	Paper ID	Paper Title	Author(s)
10:30-10:45	CEST_124	A Novel Chaotic Uniform Quantizer for Speech Coding	Osama Alkishriwo
10:45-11:00	CEST_125	Iterative Time--Varying 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

Session: Electrical and Electronics Engineering			
	Chair	Dr. Adnan S. Krzma and Dr. Ali Tamtum	
Tim	Paper	Paper	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	CEST_182	Long Term Peak Load Forecasting for the Libyan Network	Mahmoud Y. Khamaira Adnan S. Krzma
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

Room 2

Session: Engineering Systems and Sustainable Development			
	Chai	Dr. Mohamed A. Alaalam and Dr. Mohamed S. Elforgani	
Tim	Paper	Paper	Author(s)
14:30-14:45	CEST_157	Zero Energy and Low Water Schools: Case Study Building of Garaboulli Engineering Faculty-Libya	Salhin Alaud Khalid M. H. Jaballa 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 Fatima Altohami
15:15-15:30	CEST_178	To What Extent Do Nursery Group Rooms Match with The Architectural Design Considerations?	Mustafa Zarigan Lutfi Senan Muftah Omoman
15:30-15:45	CEST_190	Solar Hydrogen Production System Simulation using Pscad	Matouk M. Elamari

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

Room 1

Session: Engineering Systems and Sustainable Development + Engineering Management			
	Chair	Dr. Mohamed A. Alaalam and Dr. Abdulghani M. Ramadan	
Time	Paper ID	Paper Title	Author(s)
16:15-16:30	CEST_193	Performance Analysis of a Solar Driven Single Stage LiBr/H2O Absorption Refregration System	Islam Shahboun Salem Omran Adeilla

16:30-16:45	CEST_20 5	Preserving. Architectural Heritage within the International Covenants and its Reflection in the Libyan Case	Hussein Ali Ashraf Laswad 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 9	Key Performance Indicators in Libyan Oil and Gas Projects	Mahmoud Matoug Abdulbaset Frefer Haleema Omer
17:15-17:30	CEST_19 9	An Investigation of Corrosion Risks in the Oil and Gas Pipelines Using Analytical Hierarchy Process and Fuzzy Analytical Hierarchy Process	Abdulbaset Frefer Mahmoud M. Matoug Fatma L. Haddada

Room 2

Session Industrial, Structural Technologies and Science Material			
Chair	Dr. Bashir S. Younise and Ahmed M. Hamruni		
Tim	Paper	Paper	Author(s)
16:15-16:30	CEST_02 9	Effects of Spring Stiffness on Suspension Performances Using Full Vehicle Models	Moamar Hamed M. Elrawemi
16:30-16:45	CEST_03 0	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_03 9	Effects of outlet nozzle geometry on Swirling Flows in gas turbine	Hesham Baej Adel Akair Adel Diyaf Salem Adeilla
17:00-17:15	CEST_02 7	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_02 8	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

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

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

Room 1

Session: Industrial, Structural Technologies and Science Material				
Chair	Dr. Matouk M. Elamari, Dr. Mustafa A. Almusbahi and Dr. Salhin Alaud			
Tim	Paper	Paper		Author(s)
10:30-10:45	CEST_122	The Effect of Adding Steel Slag and Lime on the Engineering Properties of a Sandy Soil		Mohammed Elsageer Ayad Abdelmoula Mohammed
10:45-11:00	CEST_159	Capablity of Designing a Novel Smart Fluid Damper using a Mckibben Actuator		Haithem Elderrat Elganidi Elsaghier
11:00-11:15	CEST_050	Theoritical Invistigation Of An Indirect Evaporation Air Cooling System		Mohamed Alowa Gassem A. Azzain

Time	Paper ID	Paper Title	Author(s)
11:15-11:30	CEST_041	Aerodynamic Effects Of Blade Positive Sweep In Axial Flow Cascades	Ali Kwedikha Abdul Azeam A. Elgayed Abelmalek N. Algaaoud
11:30-11:45	CEST_019	Built to Code Building Envelop Versus Sustainability of High-Rise Building Performance	Mohamed Ali Karim
11:45-12:00	CEST_020	Simple and Sustainable Constipate to Save Cost and Time for Constructions Structure	Abdualraouf Mohamed Mohamed Ali Karim
12:00-12:15	CEST_057	Monitoring Mis-Operating Conditions of Journal Bearings based on Modulation Signal Bispectrum Analysis of Vibration Signals	Osama Hassin Usama Haba Fengshou Gu Andrew Ball
12:15-12:30	CEST_083	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_115	Nanotechnology: Concepts, Importance and the Current State of Scientific Research	Samieh Abu Saad Amani Elmahjubi
12:45-13:00	CEST_162	Investigation into Accuracy of LGD2006 for Medium-elevation Areas	Ahmed Hamruni Adel Alkilani

Room 2

Session: Oil and Chemical Engineering			
Chair	Dr. Abduel Majid K. Najjar, Dr. Ali S. Ebshish and Dr. Ibrahim M. El Aziz		
Time	Paper ID	Paper Title	Author(s)
10:30-10:45	CEST_045	CO_2 Corrosion Inhibitor Assessment Using Various Measurement Techniques in oilfield	Abdelrazag Aziz
10:45-11:00	CEST_139	Pressure Transient Analysis by Using MS. Excel Sheet and Computer Programming	Essa M. Tabar Ali Omran Nasar Tariq Basher
11:00-11:15	CEST_141	Evaluation of Corrosion Resistance of Mild Steel and Aluminium Using Anodic Inhibitor Method and Passivity.	Ali Elkais Mohamed K Zambri
11:15-11:30	CEST_200	Optimum deposition of Tungsten Oxide on Titania Nanotubular and study Photoactivity of Nano-Composite Photoanode	Asma M. Husin Milad Soud Saad Awitil Mohammad B. Kassim Wan Ramli Wan Daud
11:30-11:45	CEST_208	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_214	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_215	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_083	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_227	Estimation of Empennage Design Weight in Conceptual Design Phase for Tactical Uavs	Abdulhakim Muhammad Essari

Thursday, September 27, 2018   (14:30 – 16:00)
Room 1

Session: Communication and Information Technology + Electrical and Electronics Engineering			
Chair	Dr. Izziddien Alsogkier and Dr. Ausama H. Ahmed		
Tim	Paper ID	Paper	Author(s)
14:30-14:45	CEST_151	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_164	Modeling and Performance Evaluation of MapReduce in Cloud Computing Systems Using Queueing Network Model	Guzlan Miskeen
15:00-15:15	CEST_109	Handwriting Arabic Words Recognition Based on Structural Features	Salim Aloud
15:15-15:30	CEST_128	Color Image Encryption in the Spatial Domain Using 3-D Chaotic System	Osama Alkishriwo Hanan Salem Alzreghi
15:30-15:45	CEST_171	Combined Image Encryption and Steganography Algorithm in the Spatial Domain	Osama Alkishriwo Aya H. S. Abdelgader Raneem A. Aboughalia
15:45-16:00	CEST_224	Loss of Load Expectation of Alkhoms Generating Units	Mohamed Altaher Ben Mouhsen Ali A. Tamtum