

The First Conference for Engineering Sciences and Technology CEST-2018



September 25–27, 2018, GARABOULLI, LIBYA

First Conference for Engineering Sciences and Technology (CEST-2018)

The Horizons of Engineering Sciences between Reality and Future Challenges

Organised by Garaboulli and Al-khoms Engineering Faculties



Program Booklet

September 25-27 /2018- Garaboulli - Libya

The First Conference for Engineering Sciences and Technology

CEST-2018

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The Media Complex

Conference Program



The Scientific Committee

1	<i>Dr. Mohamed A. Elalem</i>	<i>Libya</i>	<i>Elmergib University</i>	<i>Assistant prof</i>	<i>Chair</i>
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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
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17	Dr. Ausama Hadi Ahmed	Libya	Elmergib University	Lecturer	
18	Dr. Mohamed K. Zambri	Libya	Elmergib University	Assistant prof	
19	Dr. Ali El Sharif	Libya	Elmergib University	Assistant prof	
20	Dr. Abdussalam M. Rifai	Libya	Elmergib University	Professor	
21	Dr. Faraj Farhat Eldabee	Libya	Elmergib University	Lecturer	
22	Dr. Abduel Majid K. Najjar	Libya	Elmergib University	Professor	
23	Dr. Mahmoud Y. Khamaira	Libya	Elmergib University	Lecturer	
24	Dr. Ali Elkais	Libya	Elmergib University	Assistant prof	
25	Dr. Ahmed Bshish	Libya	Elmergib University	Assistant prof	
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	
32	Dr. Izziddien Alsogkier	Libya	Elmergib University	Lecturer	
33	Dr. Salem M. Sharif	Libya	Elmergib University	Assistant prof	
34	Dr. Abdelhamed I. Ganaw	Libya	Elmergib University	Assistant prof	
35	Dr. Mohamed El-Abboud	Libya	Elmergib University	Associate prof	
36	Dr. Mohamed S. Elforgani	Libya	Elmergib University	Assistant prof	
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 of The First Conference for Engineering Sciences and
Technology (CEST-2018)
September 25 - 27, 2018 – Garaboulli, Libya**

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

Hall	Time	Event
Room 1	09:00-10:00	
	10:00-11:30	
	10:30-11:45	Open Ceremony
	11:45-13:00	Oral Session [Communication and Information Technology]
	13:00-14:30	Lunch Break
	14:30-15:45	Oral Session [Oil and Chemical Engineering]
	15:45-16:15	Coffee Break
	16:15-17:30	Oral Session [Engineering Systems and Sustainable Development]
Room 2	09:00-10:00	
	10:00-11:30	
	10:30-11:45	
	11:45-13:00	Oral Session [Electrical and Electronics Engineering]
	13:00-14:30	Lunch Break
	14:30-15:45	Oral Session [Industrial, Structural Technologies and Science Material]
	15:45-16:15	Coffee Break
	16:15-17:30	Oral Session [Industrial, Structural Technologies and Science Material]

Room 1

Session: Communication and Information Technology			
Chairs: Dr. Meftah Salem Alfatni and Dr. Khalid Mohamed Alajel			
Time	Paper ID	Paper Title	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			
Chairs: Dr. Adnan S. Krzma and Dr. Mohmoud Y. Khamaira			
Time	Paper ID	Paper Title	Author(s)
11:45-12:00	CEST_058	Micro Gas Turbine Simulation and Control	Ibrahim Sharif Mahmoud Mansour El- Fandi
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 Abdulbaset A Salem Wddan
12:30-12:45	CEST_111	Optimal Power Loss Minimization using Optimal Size and Location of Shunt Capacitors, and DG	Hesain Milad Alfrd
12:45-13:00	CEST_114	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			
Chairs: Dr. Mohamed K. Zambri and Dr. Ali Elkaish			
Time	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. Algish Eisa A. abdalaslam
14:45-15:00	CEST_040	A Stochastic Optimisation Technique for Tuning a Continuous Stirred Tank Reactor Controllers	Yousif Alsadiq
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 Ali Omran
15:15-15:30	CEST_077	Boilers Performance Evaluation of Zuara Desalination Plant	Ali Muftah Mabruk M. Abugderah Hakem S. Dakhel
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

Room 2

Session: Industrial, Structural Technologies and Science Material			
Chairs: Dr. Hosen A. Jawan and Dr. Salem M. Sharif			
Time	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 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

Room 1

Session: Engineering Systems and Sustainable Development			
Chairs: Dr. Hatem Hadia and Dr. Khaled Abdusamad			
Time	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 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			
Chairs: Dr. Hosen A. Jawan and Dr. Abdelhamed I. Ganaw			
Time	Paper ID	Paper 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 الأشتري
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

Wednesday, September 26, 2018

Hall	Time	Event
Room 1	09:00-10:00	Invited Speaker [Dr. Abdelhamed 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]

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 Walid Elshara
10:45-11:00	CEST_197	Influence of Plastic Bottles Fibre on Self Compacting Concrete	Abdelhamed Ganaw Basel Meghari Abdulnasir Alkoun Mohammed Alawig
11:00-11:15	CEST_212	Prediction of local concretes compressive strength using the maturity method	Mohammed Elsageer Wisam Elhmali Mansour Hamad Suliman Abulaaj
11:15-11:30	CEST_225	Design of Vertical Pressure Vessel Using ASME Codes	Najeeb A. Yahya Othman M. Daas Nureddin O. Fahel Alboum Ahmed H. Khalile
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 Altwaier Saad Jaber Abu Jarir
12:15-12:30	CEST_021	Thermal performance of a heat pipe with different working fluids	Ayad Alwaer Jasson Gryzagaridis
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			
Chairs: 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

Room 1

Session: Electrical and Electronics Engineering			
Chairs: Dr. Adnan S. Krzma and Dr. Ali Tamtum			
Time	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	CEST_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

Room 2

Session: Engineering Systems and Sustainable Development			
Chairs: Dr. Mohamed A. Alaalam and Dr. Mohamed S. Elforgani			
Time	Paper ID	Paper Title	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 CoFe _{1.9} Cr _{0.1} O ₄ 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 Mabroukah A. AbdulQadir
15:15-15:30	CEST_178	To What Extent Do Nursery Group Rooms Match with The Architectural Design Considerations?	Mustafa Zarigan Lutfi Senan Muftah Omeman
15:30-15:45	CEST_190	Solar Hydrogen Production System Simulation using Pscad	Matouk M. Elamari

Room 1

Session: Engineering Systems and Sustainable Development + Engineering Management			
Chairs: 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/H ₂ O Absorption Refrigeration System	Islam Shahboun Salem Omran Adeilla
16:30-16:45	CEST_205	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_219	Measuring urban clarity of the built environment	Fawzi Mohamed Agael
17:00-17:15	CEST_179	Key Performance Indicators in Libyan Oil and Gas Projects	Mahmoud Matoug Abdulbaset Frefer Haleema Omer
17:15-17:30	CEST_199	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			
Chairs: Dr. Bashir S. Younise and Ahmed M. Hamruni			
Time	Paper ID	Paper Title	Author(s)
16:15-16:30	CEST_029	Effects of Spring Stiffness on Suspension Performances Using Full Vehicle Models	Moamar Hamed M. Elrawemi
16:30-16:45	CEST_030	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_039	Effects of outlet nozzle geometry on Swirling Flows in gas turbine	Hesham Baej Adel Akair Adel Diyaf Salem Adeilla
17:00-17:15	CEST_027	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_028	Effects of Different Fluids Properties on Cavitation Performance in Centrifugal Pump	Saad Ghidhan Moamar Hamed Mansor Benaros

End of 2nd day

Thursday, September 27, 2018

Hall	Time	Event
Room 1	09:00-10:00	Invited Speaker [Dr. Tammam Ben Mousa]
	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

Room 1

Session: Industrial, Structural Technologies and Science Material			
Chairs: Dr. Matouk M. Elamari, Dr. Mustafa A. Almusbahi and Dr. Salhin Alaud			
Time	Paper ID	Paper Title	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
11:15-11:30	CEST_041	Aerodynamic Effects Of Blade Positive Sweep In Axial Flow Cascades	Ali Kwedikha Abdul Azeam A. Elgayed Abelmalek N. Algaoud
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			
Chairs: 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 via 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

Room 1

Session: Communication and Information Technology + Electrical and Electronics Engineering			
Chairs: Dr. Izziddien Alsogkier and Dr. Ausama H. Ahmed			
Time	Paper ID	Paper Title	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