

# The Libyan International Conference on Electrical Engineering and Technology

## LICEET 2018



# **Program Booklet**

March 03-07,2018–Tripoli, Libya

# **The Libyan International Conference on Electrical Engineering and Technology**

## **LICEET 2018**

March 03 - 07, 2018 – Tripoli, Libya

**Radisson Blu Hotel**

# **Conference Program**



# Program of The Libyan International Conference on Electrical Engineering and Technology

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March 03 - 07, 2018 – Tripoli, Libya

	Saturday, March 3	Sunday, March 4	Monday, March 5	Tuesday, March 6	Wednesday, March 7
9:00-10:30		Registration	Oral Sessions	Oral Sessions	Oral Sessions
10:30-11:00		<b>Opening Ceremony</b>	<b>Coffee Break</b>		
11:00-12:30			حلقة نقاش حول دور الجامعة المفتوحة في التعليم التقني	حلقة نقاش حول الشركة العامة للكهرباء	حلقة نقاش حول التعليم التقني
12:30-14:00		<b>Lunch</b>			
14:00-15:30	Registration	Oral Sessions	Oral Sessions	Oral Sessions	<b>Closing Ceremony</b>
15:30-16:00		<b>Coffee Break</b>			
16:00-17:30		Oral Sessions	Oral Sessions	Oral Sessions	

## Sunday, March 4, 2018

Rooms	Time	Oral Sessions
Room 1	9:00-10:30	
	10:30-11:00	
	11:00-12:30	
	12:30-2:00	
	2:00-3:30	Renewable Energy Systems and Integrations, and smart grid system
	3:30-4:00	Coffee Break
	4:00-5:30	Power System Operation and Control
Room 2	9:00-10:30	
	10:30-11:00	
	11:00-12:30	
	12:30-2:00	
	2:00-3:30	Communication Engineering and Networking -1
	3:30-4:00	Coffee Break
	4:00-5:30	Antenna and Wave Propagation-1
Room 3	9:00-10:30	
	10:30-11:00	
	11:00-12:30	
	12:30-2:00	
	2:00-3:30	Intelligent systems
	3:30-4:00	Coffee Break
	4:00-5:30	Linear & non linear control application
Room 4	9:00-10:30	
	10:30-11:00	
	11:00-12:30	
	12:30-2:00	
	2:00-3:30	Pattern Analysis and Recognition computer Vision, Graphics and intelligence1
	3:30-4:00	Coffee Break
	4:00-5:30	Pattern Analysis and Recognition computer Vision, Graphics and intelligence2
Room 5	9:00-10:30	
	10:30-11:00	
	11:00-12:30	
	12:30-2:00	
	2:00-3:30	افاق التطوير المستقبلي للتعليم التقني والفني في ليبيا (السياسات والاستراتيجيات والخطط)
	3:30-4:00	Coffee Break
	4:00-5:30	مفهوم وواقع التعليم التقني والفني في ليبيا ( المعوقات والحلول )
Room 6	9:00-10:30	
	10:30-11:00	Opening Ceremony
	11:00-12:30	
	12:30-2:00	
	2:00-3:30	تطبيقات المعايير العالمية في قبول الطلبة واختيار وتنمية والتقييم أعضاء هيئة التدريس (الجلسة 1)
	3:30-4:00	Coffee Break
	4:00-5:30	تطبيقات المعايير العالمية في قبول الطلبة واختيار وتنمية والتقييم أعضاء هيئة التدريس (الجلسة 2)

**Sunday, March 4, 2018 (14:00 – 15:30)**

## Room 1

Session: Renewable Energy Systems and Integrations, and smart grid system			
Chairs: Prof. Fathi Bara, Prof. Jamal Abdelmalek			
time	Paper ID	Paper Title	Authors
14:00-14:15	389	A road map for achieving the renewable energy target in Libya	Mariam El Forgani
14:15-14:30	454	Estimation of wind Energy Potential in Four Locations in Libya	Asmail Abdulkadr Mohamed
14:30-14:45	402	Design of a typical village, in north Libya, supplied with renewable energies, and desalinated seawater	Abdalla M. Al-Kelsh and Fatimah M. Alwaer
14:45-15:00	66	Dynamics and Harmonics Reduction of Wind Farm Systems: Analytical Study	Abosalah Elmehdi, Mohammed Alqmati and Mahmmud Hassan
15:00-15:15	507	Fault Ride-Through of Systems with High Penetration of Small-Scale Embedded Generation	Adel Rafa
15:15-15:30	491	Impacts of PVDG on Distribution System taking Libyan network as case study	Asharif Almraid, Abdalfettah Asharaa and Esam Algadhi
15:30-15:40	552	Scenarios of Power Supply to Remote Area Network A Prospective Model for Libyan Off-Grid Smart Village	Labib Daloub, Abdulatif Kharwat, Ahmed Alhamruni and Mohamed Rgeai

## Room 2

Session: Communication Engineering and Networking -1			
Chairs: Prof. Said I. Elkhetafi , Prof. Amer R. Zerek and Eng. Mohamed I. Abouseda			
Time	Paper ID	Paper Title	Authors
14:00-14:15	74	Performance Evaluation of Communication System using OFDM Technique	M. Alshulle and Mohamed S. Alshulle, Haneen M. Nmresh, Isra A. Salh and Abd Elhamed S. Abd Elhamed
14:15-14:30	124	Analysis and Performance Investigation of HSPA+ used in 3G Mobile Communication Technology	M. Abuitbel and Mostafa Abuitbel, Ahmed M. Aljerbi, Mustafa M. Aljerbi and Zaineb A. Alnejar
14:30-14:45	181	SIM Boxing Problem : Almadar Aljadid - Case Study	A. Masrub and M. Alahemar
14:45-15:00	244	Telemetry Home Automation Based on ZIGBEE	H. Efheij, A. Albagul and M. Muhammad
15:00-15:15	495	Decision Support Model for Call Routing System	M. Karmous and E. Mresa
15:15-15:30	509	Quality of Service Enhancement for International Voice Traffic	H. Edkayani and S. Ahmeda

## Room 3

Session : <b>Intelligent systems</b>			
Chairs: Prof. Moftah M Bakush Dr. Abdusalam A Alaktiwi Eng. Ahmed Jaber			
Time	Paper ID	Paper Title	Authors
14:00-14:15	15	Fuzzy Logic Based Charge Controller Development For Stand Alone Solar Power System	Musbah Ali Alhanish, bdusalam Abdullah Yahya
14:15-14:30	21	Direct Torque Control of Induction Motor Based on Neural Networks	Gaber Muftahm Abdalla Fadel Naser E.Shtawa
14:30-14:45	41	Application of LQR to a power system	Abdulbaset Slamam Muhanned M. Bakush
14:45-15:00	55	Comparative study on Adaptive and Fuzzy controllers for DC Motor speed control	Ahmed Hussein Benarous, Mustafa Rasem Abuzeid

## Room 4

Session : <b>Pattern Analysis and Recognition computer Vision, Graphics and intelligence 1</b>			
Chairs: Prof. Wejdi Bresbas Dr. Ayad Kehlaf			
Time	Paper ID	Paper Title	Authors
14:00-14:15	93	Libyan Vehicles License Plates Localization System using Neural Networks	Areej Abugrain Ali Ganoun
14:15-14:30	121	Electrocardiogram Signal Diagnosis Using Supervised Artificial Neural Network	Hend M. Farkash Mona A. El.zuway
14:30-14:45	153	Performance Analysis of Face Recognition System.	Gharam Abbas Ali Ganoun
14:45-15:00	164	Improving Matching of Feature Descriptors Using Statistics of Detected Features	Elhusain Saad
15:00-15:15	217	Cascaded Adaptive Filter For Image Restoration.	Abdussalam Alhadi ddeeb Mohammed Hussein
15:15-15:30	248	Performance Analysis of Using Digital Filters for Denoising ECG signals.	Balsam Huta Ali Ganoun

## Room 5

عنوان الجلسة: افاق التطوير المستقبلي للتعليم التقني والفني في ليبيا (السياسات والاستراتيجيات والخطط)			
رؤساء الجلسة: د. عبدالله ادريس فضل د. مفيد محمد النمري			
المؤلفون	عنوان الورقة	رقم الورقة	التوقيت
انتصار الهادي الغويل	منظومة التعليم التقني والفني الليبية ومدى مساهمتها في مواكبة التطور العلمي	36	14:00-14:15
خالد الهاملي و محمد الاعوج	واقع التخطيط الاستراتيجي بإدارة كليات التقنية بمدينة طرابلس	134	14:15-14:30
مفيدة رجب حنيش	أهمية التوجيه والإرشاد التقني والمهني لطلبة العلوم التقنية في اختيار التخصص وتوجيه الخريجين للأعمال المناسبة بسوق العمل ( اعداد تصور )	368	14:30-14:45
سنية يوسف النجار	Challenges of T.E. in Libya and prospects for the future development based on leading experiment	398	14:45-15:00
ابوبكر جمعة معتوق ، حسني ابوالقاسم ، نجيب سالم بيوض	دور التعليم المحاسبي التقني في تدريب وتطوير المعارف والمهارات والاخلاقيات المرغوبة بسوق العمل الليبي	303	15:00-15:15

## Room 6

عنوان الجلسة: تطبيقات المعايير العالمية في قبول الطلبة واختيار وتنمية والتقييم أعضاء هيئة التدريس (جلسة الأولى)			
رؤساء الجلسة: د نصر امحمد اشتاوا و د ضو محمد الزنتاني			
المؤلفون	عنوان الورقة	رقم الورقة	التوقيت
برنية طروم علي و حكيم هيبه	مدي تطبيق المعايير العالمية في مجال اختيار الطلاب و الأستاذة ومجال خدمة المجتمع بمؤسسات التعليمية الليبية	54	14:00-14:15
عياد الكوني الهادي و المختار المبروك سعيد و مسعود المشري عثمان الغويل	تقييم جودة فعالية أداء أعضاء هيئة التدريس بمعهد العالي باستخدام تقنية التتقيب في البيانات	89	14:15-14:30
ميلاد ابوبكر مسعود و نوري مسعود البي	تطبيق مفهوم إدارة الجودة الشاملة بمؤسسات التعليم التقني في ليبيا واثارها في تطويرها	161	14:30-14:45
محمد احمد عسكر	واقع المعاهد الفنية التقنية المتوسطة بمنطقة طرابلس من وجهة نظر مديرها	163	14:45-15:00
محمد الفرجاني و عبد الباسط عاشور	تطوير اليات ومعايير التقييم في برنامج التدريب الميداني بمؤسسات التعليم التقني	229	15:00-15:15



## Coffee Break (15:30-16:00)

**Sunday, March 4, 2018 (16:00 – 17:30)**

## Room 1

Session : Power System Operation and Control			
Chairs: Dr. Ahmed Ashaibi Dr. Nuri Daw Eng. Abdunnaser Shamekh			
Time	Paper ID	Paper Title	Authors
16:00-16:15	267	Evaluate the Reliability and Availability of Substation Automation Architecture using FTA	Amani Essed Elhaji, Ibrahim Jleta and Abdelhamid Anter
16:15-16:30	311	Comparative Study of the Performance of Mon-crystalline, Polycrystalline and Amorphous silicon using Homer Software	Almonir Algnoni
16:30-16:45	395	Design a Graphical User Interface Model for Power Transformer Differential Relay	Omar. G. Mrehel, Mohammed K. Alnaass and Farah M. Al Filali
16:45-17:00	487	Comparative Study between Porcelain and Silicone Polymer Lightning Arresters under Direct Lighting Strokes for A 400KV Substation Protection	Adel Salem Sultan
17:00-17:15	500	Transient Grounding Impedance Of Electrodes For Grounding Grid	Rajab Ibsaim, Alejeli Ab. Alhengari and Hamza Z. Zummit
17:15-17:30	568	Evaluation the Impact of Wind Generation on Transmission Network Power Losses	I. S. Naser, M. A. Alsharif, M. N. Hussin and M. A. Alrmah



## Room 2

Session : Antenna and Wave Propagation-1			
Chairs: Prof. Kheria Belgath, Dr Bashir. Khamoudi and Eng. Safa Sheriff			
Time	Paper ID	Paper Title	Authors
16:00-16:15	216	Effect of Substrate Material on the Performance of Rectangular Patch Antenna Design & Analysis	H. Ali, A. Daw and S. Elketali
16:15-16:30	297	Predication of Rain attenuation at the C, X, Ku, and Ka bands for Fixed Satellite System Based on ITU Model in Libya	N. Shebani, Z. Elkwash and R. Almoneer
16:30-16:45	18	U-Shaped Dual Band Microstrip Antenna With Harmonic Suppression Techniques	K. Suleiman, Z. Mohamed and M. Lesewed
16:45-17:00	73	Performance Optimization of Microstrip Patch Antenna Array for WLAN and LET 4G Technologies	M. Alshulle, I. Amer and A. Agnya
17:00-17:15	187	Design of Meander Line Dual Band Dipole Antenna with Harmonic Trap	A. Albishti and K. Suleiman
17:15-17:30	525	UWB Antenna Design and performance for Onbody Concealed weapon applications	Ali Atiah, Hasan Ahmed, Abdelhamidnaid

## Room 3

Session : Linear & non linear control application			
Chairs: Prof. Dr. Nasr E. Shtawa Dr Mohamed El Haj Eng. Yahya El Sharf			
time	Paper ID	Paper Title	Authors
16:00-16:15	101	Empirical Optimization of State Space Controller and Observer Parameters for a Linear Motion Servo Control System	Izziddien Alsogkier
16:15-16:30	129	Sliding-Mode Control of Permanent Magnet Synchronous Motor (PMSM)	Abdulbasit Alhiqari
16:30-16:45	271	A Robust Finite State-Model Predictive Current Control of Flying Capacitor Converter	Ali M. Almaktoof
16:45-17:00	283	Kepler Orbit for Missile Free Flight Trajectory Simulation	Mohamed Elmelhi Daw Mohamed Alzentan
17:00-17:15	317	Smart Inverse Kinematic Of Lab-Volt 5250 Robot	Osama A. Abolaeha Rana M. Elghati Saadedin Elwarshfani
17:15-17:30	59	A detailed comparison of the outer-loop control performance at the receiving end station of VSC based HVDC transmission system	Aleisawee Alseid and Abdulrahman Emhemed

## Room 4

Session : Pattern Analysis and Recognition computer Vision, Graphics and intelligence			
Chairs: Dr. Ayad Keshlaf Prof. Wajdi Besbas			
Time	Paper ID	Paper Title	Authors
16:00-16:15	404	Libyan Dialect Named Entity Recognition Based on Rule-Based Appro	رمضان السيد الفرد
16:15-16:30	430	Impact of Speech-Feature-Alignment on Dynamic Time Warping in Speech Recognition.	Salaheddine H. Kanoun Nabil M. Drawil Musbah G. Saad
16:30-16:45	473	A comparative study between Deep Neural Networks and Echo State Networks models on the Levantine Arabic corpus	Nadia Hmad, Abdulrahman Alalshekmubarak Tony Allen
16:45-17:00	501	Computer Generation of 3D Integral Imaging Animations	Mahmoud G. Eljadid Amar Aggoun
17:00-17:15	502	New 3D Holographic Images Content Format	Mahmoud G. Eljadid Amar Aggoun Osama H. Youssef
17:15-17:30	517	Improving Handwritten Arabic Words Recognition by Adapting Convolution Neural Network	Idris El-Feghi Salem Elwaid Osama Elrajubi
17:30-17:45	542	Chaff Points Encapsulation for Cancelable Fingerprint Features	Mohamed A Hassan Mokhled S Al-Tarawneh

## Room 5

عنوان الجلسة: مفهوم وواقع التعليم التقني والفني في ليبيا ( المعوقات والحلول )			
رؤساء الجلسة: د. علي السايح البكاي د. عقيل محمد عقيل			
المؤلفون	عنوان الورقة	رقم الورقة	التوقيت
اشرف عبدالحميد محمود حسين	المعوقات التي تواجه التعليم التقني وسبل التغلب عليها	47	16:00-16:15
نصر الدين يونس العوامي	مفهوم وواقع التعليم التقني الوطني في ليبيا	119	16:15-16:30
نصر ادريس عبد الكريم ومحمد علي القذافي	واقع التعليم التقني في ليبيا ومتطلبات تطويره	381	16:30-16:45
حسين العريفي الزرقاني و ابوبكر مختار قباج	مفهوم وواقع التعليم التقني الوطني بليبيا	451	16:45-17:00
زينب علي اخليف و ايمان عطيه	مفهوم وواقع التعليم التقني الوطني بليبيا	471	17:00-17:15
سنية يوسف النجار	Challenges of Technical Education in Libya and Prospects for the Future Development Based on Leading Experiments in Technical Education	398	17:15-17:30

## Room 6

عنوان الجلسة: تطبيقات المعايير العالمية في قبول الطلبة واختيار وتنمية والتقييم أعضاء هيئة التدريس (الجلسة الثانية)			
رؤساء الجلسة: د مفتاح محمد البكوش و د. نصرالدين مبارك شعشوع			
المؤلفون	عنوان الورقة	رقم الورقة	التوقيت
رمضان محمد ميلود صوان	مكانة الطالب في العملية التعليمية والتدريبية وعلاقته بالجودة	233	16:00-16:15
عبد العزيز المنصوري الطاهر ضو ونوري بجيج	التدريب كأحد عناصر إدارة الجودة الشاملة	290	16:15-16:30
بشير البوخاري وحفصة عبد السلام احمد ضو	إدارة الجودة الشاملة واثرها علي مخرجات التعليم التقني العالي	304	16:30-16:45
محمود جمعة المحجوب و مفتاح عثمان الرفاعي	واقع متطلبات معايير جودة أداء أعضاء هيئة التدريس بتعليم العالي التقني	448	16:45-17:00

## Monday, March 5, 2018

Rooms	Time	Oral Sessions
Room 1	9:00-10:30	Renewable Energy Systems and Integrations, and smart grid system
	10:30-11:00	Coffee Break
	11:00-12:30	Invited Speaker
	12:30-2:00	Lunch
	2:00-3:30	Distribution Systems and Distribution Generation Penetration, and storage
	3:30-4:00	Coffee Break
	4:00-5:30	Electric Machines and Drives
Room 2	9:00-10:30	Communication Engineering and Networking -2
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Antenna and Wave Propagation-1
	3:30-4:00	Coffee Break
	4:00-5:30	Signal and image processing
Room 3	9:00-10:30	Real time control & Transportation traffic control
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Instrumentation
	3:30-4:00	Coffee Break
	4:00-5:30	Robotics and Mechatronics
Room 4	9:00-10:30	Pattern Analysis and Recognition computer Vision, Graphics and ntelligence
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Computer Architecture and Security
	3:30-4:00	Coffee Break
	4:00-5:30	Computer Networks
Room 5	9:00-10:30	دور الجامعات المفتوحة في نشر التعليم التقني
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	التجارب العالمية الرائدة في مجال التعليم التقني والفني
	3:30-4:00	Coffee Break
	4:00-5:30	مساهمة التعليم التقني في تطوير الربط مع سوق العمل في ليبيا
Room 6	9:00-10:30	Free
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Free
	3:30-4:00	Coffee Break
	4:00-5:30	Free

**Monday, March 5, 2018 (09:00 – 10:30)**

**Room 1**

<b>Session: Renewable Energy Systems and Integrations, and smart grid system.</b>			
Chairs: Dr. Ali I. El Gayar, Dr. Adel Hamad Rafa,			
Time	Paper ID	Paper Title	Authors
9:00- 9:15	19	Economic Study on the Implementation of Feed in Tariff for Photovoltaic Technology in Libya	M Almaktar, S Muftah, S Marimi and N Nailly
9:15- 9:30	396	Toward Utilizing PV Systems as Mini Generators in Libyan Electric Network	Ibrahim Saleh and Radwa Abosnina
9:30-9:45	255	دور المنظومات الكهروضوئية والمولدات الاحتياطية في تخفيض فاتورة الوقود بالشركة العامة للكهرباء في ليبيا وتغطية الطلب الذروي	أحمد الشانبي، محمد ارحيم and فوزي قشوط
9:45- 10:00	218	Optimal Design And Simulation Of Pv-Diesel Hybrid Power System With Unreliable Grid Connection For Powering Communication Towers In Libya	Mustafa Al-Refai
10:00-10:15	127	Optimization of Tilt Angle for Extracting Maximum Power from Photovoltaic Modules	Salah Mousa, I. Najem, O. Wehida, A. Khelifa and A. Kagilik
10:15-10:30	561	Design and Simulation of a large Scale PV Power Generation in Ben-Walid City	Omar. G. Mrehe and Khaled. A. S. Albgar
10:30-10:40	377	Dynamic Modeling and Simulation of Grid-Connected PV-Wind Turbine Microgrid System using MATLAB/SIMULINK	Ibrahim E. Abdualkafi and Ali A. Mehna

**Room 2**

<b>Session : Communication Engineering and Networking -2</b>			
Chairs: Prof. Amer R. Zerek , Dr Lamia Fathi Abusedra and Eng Dris Enbais			
Time	Paper ID	Paper Title	Authors
9:00-9:15	241	Waiting Time Analysis for Wimax in Variable Priorities between Stations	R. Khalifa, S. Alferjani, M. Elbuiashi and H. Abolholl
9:15-9:30	315	Massive MIMO Modeling for the Next Generation Wireless Communication Systems	O. Abu-Ella, A. Iwhida and M. Kablan
9:30-9:45	365	Modeling and Design of Frequency Selective Surface for GSM and UTMS Frequency Bands	M. Dyab, K. Balgeth and A. Emhemmed
9:45-`10:00	313	Performance of MIMO system Based on OSTC Technique over AWGN and Flat Fading Channels	A. Hajres, H. Omar and M Eddagei
10:00-10:15	341	Investigation Conformance of Modern Communication Networks inside Modern Digital Substations	A. Altaher and H. Madi
10:15-10:30	409	Coverage and Capacity Dimensioning of Super Wi-Fi Network in a Specific Region in HayAl-Andalus Municipality	A. Ali and A. Akki

### Room 3

Session : Real time control & Transportation traffic control			
Chairs: Prof. Dr. Hussien El Magboub, Dr Mohamed A El Ramah , Eng. Muhaned M bakush.			
time	Paper ID	Paper Title	Authors
9:00- 9:15	12	Evaluation of vehicle stability using simple single track model and different control methods	M Emheisenm, A Emheisen, Abdu Ahmed, O Abuzaid
9:15-9:30	51	Intelligent traffic light using PLC and SCADA	F. Musa, Moftah . M. Bakush, Nasr. E. Shtawa
9:30-9:45	150	Vehicles Tracking and Mean Speed Estimation	S Allafim A Elsaltani, Ali Ganoun
2:45-10:00	264	Real-time implementation of a fuzzy logic controller through Ethernet via OPC server using PLC	Abdullah A. Al-Manfi

### Room 4

Pattern Analysis and Recognition computer Vision, Graphics and ntelligence			
Chairs: Dr. Salah Thaluthi Dr.AbuAgila Musbah			
Time	ID	Paper Titel	Authors
9:00-9:15	250	Real Time Vehicles Detection and License Plates Recognition System.	Mohammed Elborawi Ali Ganoun
9:15-9:30	256	Human action recognition using spherical harmonics representation of depth maps.	Salah Althloothi Ramadan Attuwaybi Ismail Shrena
9:30-9:45	273	Human Iris Recognition Using Correlation Matrix.	Ferdose Almarimi Moammar Hassan Dhaw
9:45-10:00	319	Libyan License Plate Recognition	Iman Namroud Khlood Belhasan Moammer Abdullaziz
10:00-10:15	346	Statistical offline signature verification based on image processing and hu moment	Abdulkream I. Salem Ahmed B. Elmadani
10:15-10:30	355	Semantic Image Annotation And Retrieval System	Ahmed Abugarain Elhadi saleh Eldulfag

### Room 5

عنوان الجلسة: دور الجامعات المفتوحة في نشر التعليم التقني			
رؤساء الجلسة: د مفتاح محمد البكوش رئيسا و د عادل سعد امحمد نائبيا			
المؤلفون	عنوان الورقة	رقم الورقة	التوقيت
عبدالحميد النايض و ونصر الدين العوامي وابوبكر قاباج وحسن احمد	تجارب التعليم عن بعد وطرق نجاحه	236	9:00-9:15
بلقاسم شلوف و مفتاح البكوش و فتحي مفتاح منصور و إبراهيم سالم الترهوني	دور الجامعات المفتوحة في نقل التعليم التقني	324	9:15-9:30
بشير الرداد و عبدالحكيم محمد و نادية عبدالرحمان و رمضان التليب و احمد القايد	توظيف تقنيات التعليم المدعوم الكترونيا بالجامعة الليبية المفتوحة	482	9:30-9:45



## Coffee Break (10:30-11:00)

**Monday, March 5, 2018 (11:00 – 12:30)**

حلقة نقاش حول دور الجامعة المفتوحة في نقل التعليم التكنولوجي



## Lunch (12:30 – 14:00)

**Monday, March 5, 2018 (14:00 – 15:30)**

### Room 1

Session : Distribution Systems and Distribution Generation Penetration, and storage			
Chairs: Dr. Salah Mousa, Dr. Ali Mehna			
time	Paper ID	Paper Title	Authors
14:00-14:15	85	Study the Electrical Performance of 11 kV Porcelain Outdoor High Voltage Insulators	Adnan Salama Krzma
14:15-14:30	88	Re planning and Redesign Considerations of Zawia (11 kV) Low Voltage Electric Distribution Power System Network	Osama Mohammed Abd- Al-Rhman
14:30-14:45	189	An overview for network future development in a rapid expansion city	Abdulahkim Treki
14:45-15:00	224	Electrical Distribution Network of Almadar AL-Gadid Telecom Company Data Centre Assessment	Hazem Zubi and Mohamed Eltorkey
15:00-15:15	249	Technical Losses Reduction For Libyan Power Network	Belkasem Taher Obadi and Salma Belal Ali
15:15-15:30	268	إيجاد المكان والحجم الأفضل للتوليد الموزع في نظم التوزيع الكهربائية الشعاعية	محمد التيجاني درفون، اسراء تاج الدين غرياني، هدى زياد and صالح حصن عبدالهادي العربي
15:30-15:40	492	Comparative study for optimal re-planning of Libyan western boarder 30 K.V system using the conventional methods and distribution generation penetration method	Esam Alqadhi, Abdalfettah Asharaa and Asharif Almraid

## Room 2

Session: Antenna and Wave Propagation-2			
Chairs: Prof. Rasim Amer Ali, Dr. Abdurazag M. Khala , Eng. Abdulrahim A. Emhimme			
Time	Paper ID	Paper Title	Authors
14:00-14:15	358	Comparison of Techniques for Calculation of the Input Impedance of Rectangular Microstrip Antenna	H. Awhaida, K. Belgith and B. Khamoudi
14:15-14:30	367	Analysis and Design of Different Feeding Techniques for Rectangular Microstrip Patch Antenna	K. Embais and A. Atwati
14:30-14:45	557	Multiband H-Shaped Microstrip Antenna for Wireless Application	O. Ounellah and M. Abousetta
14:45-15:00	211	Characterization of Concurrent Rain Attenuation and Tropospheric Scintillation in Tropical Region	I. Elshami, A. Elgayar and J. Din
15:00-15:15	360	Design and Analysis of Crescent Antenna for GPS and Bluetooth Applications	B. Khamoudi and E. Alnegrat
15:15-15:30	553	Improved design of microstrip Yagi Antenna Array at 60GHz	Ahmed O. Hidara and Marai M. Abousetta

## Room 3

Session : Instrumentation			
Chairs: Prof. Mostafa R. Abo Zeied ; Prof. Mohamed El Taliab , Eng Mohamed Hamoda			
time	Paper ID	Paper Title	Authors
14:00-14:15	40	Detection of Gearbox Fault by the use of Space Vector Phase Angle Variation	Abdelhamed F Salehm Osama Talebm Ibrahim Jleta
14:15-14:30	43	Performance of Inertial Navigation System Aided by Zero Velocity Update Method	
14:30-14:45	128	Measuring turbidity of liquids with using photo voltaic cell and laser	Yousef Abueejela Abdulhameed. K. Belkasem
14:45-15:00	188	Design a set of control system for Flow Control Rig	Muftah Aldaif Mohamed Fantah
15:00-15:15	318	Modulation Signal Bispectrum for Induction Motors Faults Detection using Electrical Signature Analysis from Variable Speed Drives	Naima Hamad Samieh Abusaad Fengshou Gu Andrew Ball

## Room 4

Session : Computer Architecture and Security			
Chairs: Dr. Abdulsalam Almarimi Dr.Musbah Elahresh			
Time	Paper ID	Paper Title	Authors
14:00-14:15	357	Data Center Virtualization	Nisreen Bentayef
14:15-14:30	391	Implementation of Data Encryption Standard algorithm on Field Programmable Gate Arrays	Ali F. A . Kaeib Osama A. S. Abourodes
14:30-14:45	403	using Phan's algorithm in IPSec	عبدالعزیز محمود سويب محمود محمد الصغير
14:45-15:00	419	Encryption of optical image using fractional Fourier transform and chaos theory	Abduladeam Abdullah Mohamad Abdullah
15:00-15:15	467	Comparative Study and Solutions for Libyan Organizations Implementing Site-to-Site VPN with High Availability	Mohamed Ghretli Malak Alwarfli Hala Daggez Adel E Eluheshi
15:15-15:30	484	A Hybrid DWT-DCT Algorithm for Digital Image Watermarking	Faten Taha Almadhoun, Ahmed Yousef Ben Sasi
15:30-15:45	528	Data Link Layer Attacks and Security Techniques: Empirical Investigation	Elfurjani Sasi Mresa Nada Ayad Ashok

## Room 5

عنوان الجلسة: التجارب العالمية الرائدة في مجال التعليم التقني والفني			
رؤساء الجلسة: د علي مصباح اشطبية رئيسا د عبدالرحمان قدقود نائبا			
المؤلفون	عنوان الورقة	رقم الورقة	التوقيت
إبراهيم اغنيوه و سلوي المشيبي	حل المشكلات التي تواجه التعليم التقني في ليبيا من خلال مقارنتها بنظائرها في العراق والصين واليابان	79	14:00-14:15
فتحي عبد السلام هلال و نائل جهاد الحلاق	تصور مقترح لتطوير التعليم التقني في ليبيا بضوء التجربة الماليزية الرائدة	364	14:30-14:45



**Coffee Break (15:30-16:00)**



**Monday, March 5, 2018 (16:00 – 17:30)**

**Room 1**

<b>Session: Electric Machines and Drives</b>			
Chairs: Prof.. Mustafa A. Al-Refai, Prof. Fathi Hareb			
Time	Paper ID	Paper Title	Authors
16:00-16:15	16	The Automation of the Billing System in GECOL Using Smart Metering Services	Mohamed Mhereeg, Abdoul Aziz Zongo, Manal Shlebig, Abdalla Fadel and Adel Elghadi
16:15-16:30	212	Thermal Model for Calculating Transformer Hot-Spot Temperature Using IEC Loading Guide	Jamal Ali Ramadan, Alsadeg M. Alkish and Khalifa Ali M. Kosha
16:30-16:45	302	Performance Evaluation of a Self-Excited Induction Generator for a Stand Alone Wind Energy Conversion System	Duaa Elshaibani, Sara Greibea and Loubna Alakeili
16:45-17:00	437	Experimental, simulation results comparison and measurements of the current total harmonic distortion (THDi) and Power factor distortion calculation for three phase Induction motor with different torque values	Nouri Ali Daw and Khaled Esmail.Sh.Ghambirlou
17:00-17:15	159	Arduino - Matlab based flickermeter ( Realization and verification according to IEC 61000-4-15 standard)	Mansour Hashad, Abdulrahman Mohammed and Saed Alshaykh
17:15-17:30	566	Comparing the different methods to reduce the starting induction motors of Al-Majed Steel Factory	Abdunnaser Sassi Shamekh and Ahmed Kamal

**Room 2**

<b>Session : Signal and image processing</b>			
Chairs: Dr Mostafa Abuitbel , Dr Hind A. Solman and Eng. Amina Oun			
Time	Paper ID	Paper Title	Authors
16:00-16:15	123	Speckle Noise Removal from Medical Ultrasound Images	Abdelkader Salama
16:15-16:30	252	Comparison of Various Digital Filters for Speech Signals Filtering	A. Hassoun and A. Ganoun
16:30-16:45	334	Color Image Encryption Based on Chaotic Block Permutation and XOR Operation	O. Alkishriwo and R. Aboughalia
16:45-17:00	434	High Density Impulse Noise Removal in Images Using CW and ER Medain Filters	A. Saleh, S Salem, A Zerek and F Zbida
17:00-17:15	469	Image Compression using Discrete Cosine Transformer (DCT)	S. Jaddour, W. Obied and A. Jaddour
17:15-17:30	332	Enhancement of Speech Recognition: An Effective Speech Pace-Insensitive Approach	S. Kanoun, N Drawil and M. Saad
17:30-17:45	333	Speech Recognition System for Isolated Words Using Ensemble-Based Classifier	S. Kanoun , N Drawil , A Almehdawi and M Saad
17:45-18:00	157	A Developed Text Compression Method for Image Steganography	A. Elhawil , S. Talha Almezoghi and K. AbdiEljwad

## Room 3

Session : Robotics and Mechatronics			
Chairs: Prof. Ali Zaid Dr. Azden kenshil Eng Mohamed Hamoda			
time	Paper ID	Paper Title	Authors
16:00-16:15	61	Metal And Remnants of War Detection Robot	Mohamed Naji Muftah, Almatasm Bilah Baroud Abdulbare Melad Baroud
16:15-16:30	112	Wheeled Mobile Robot Obstacle Avoidance using Compass and Ultrasonic	Yousef Abueejela Haithm Ali
16:30-16:45	281	Balancing and Trajectory Tracking Control For a Wheeled Mobile Robot	Ahmed Abougarair Moftah Bakush Saadedin O Elwarshfani
16:45-17:00	57	Small Signal Modeling and Stability Analysis of Detailed DC Network Model	Aleisawee Alsseid and Abdulrahman A.A.Emhemed
17:00-17:15	58	Dc Network Model Based On VSC-HVDC System	Aleisawee Alsseid and Abdulrahman Emhemed

## Room 4

Session : Computer Networks			
Chairs: Dr.Musbah Elahresh Dr. Abdulsalam Almarimi			
Time	Paper ID	Paper Title	Authors
16:00-16:15	32	ARP Spoofing Attacks; Simulation and Countermeasures	Elham Abushwashi
16:15-16:30	142	WAN Technologies Principles & Revolution (Frame Relay & MPLS Implementation	Heba A. Alshiref Ghaida S. Alsaety Mohammed T. Radwan
16:30-16:45	207	Bank fraud detection using graph-based method.	Nassir Abuhamoud Emsaieb Geepalla
16:45-17:00	342	Performance Comparison of VoIP over MPLS-Based Networks with RSVP Protocol Using SIP, H.323 Signaling Protocols	Azeddien Sllame Esraa Hema Huda Al-Najem
17:00-17:15	343	A SIMULATOR FOR FAT-TREE NETWORK-ON-CHIP SYSTEMS BASED ON MPLS TECHNIQUE	Najwa Salama Azeddien Sllame
17:15-17:30	464	Automation and Management of Computer Networks using Python Language Scripts	Mohamed Ghretli Ratiba Shalbout Sabri Shmeekh Mohamed Regai
17:30-17:45	516	An energy efficient approach for topology management in large scale computer networks	Abdulbaset Altuhami Salah Zahed
17:45-18:00	532	Implementing High Availability by Redundancy Protocols on Juniper Devices and Comparing the Performance Between Them	Rema Asheibani Saad Adnan Abushagur Mohammed Qaja

## Room 5

عنوان الجلسة: مساهمة التعليم التقني في تطوير الربط مع سوق العمل في ليبيا			
رؤساء الجلسة: د نصر الدين أمبارك شعثوع رئيسا و د بشير الهادي القرقوطي م. فوزي غومة			
المؤلفون	عنوان الورقة	رقم الورقة	التوقيت
عادل عكبر	رفع جودة مخرجات التعليم العالي التقني بتطوير سوق العمل الليبي	87	16:00-16:15
عصام الدناع وسليم البديري	تطوير منظومة التعليم التقني بما يتلاءم مع سوق العمل	117	16:15-16:30
د جمال صلاح عبد المالك	الشراكة بين التعليم التقني وقطاع الصناعي ضرورة حتمية	158	16:30-16:45
عبد السلام سالم الجالي	تطوير مهارات التعليم التقني العالي وتأهيلهم لسوق العمل	184	16:45-17:00
ليلى رمضان جوهر و علي محمد عيسى	تصور مقترح لموائمة مخرجات التعليم التقني باحتياجات سوق العمل في ليبيا	442	17:00-17:15
فاطمة عامر الدالي	تقديم فاعلية برامج التدريب المهني ومدام موافقتها مع حاجات سوق العمل وفق وجهة نظر المتدربين واصحاب العمل	463	17:15-17:30
رمضان علي أبو راوي	دورة التعليم التقني والفني في مواكبة تطوير سوق العمل في اقتصاد الليبي	481	17:30-17:45

## Tuesday, March 6 ,2018

Rooms	Time	Oral Sessions
Room 1	9:00-10:30	Power System Simulation, Transients and EMTP Modeling, Renewable Energy Systems
	10:30-11:00	Coffee Break
	11:00-12:30	off
	12:30-2:00	Lunch
	2:00-3:30	Power Electronics Applications ,FACTS, HVAC, HVDC
	3:30-4:00	Coffee Break
	4:00-5:30	Power System Stability , Reliability, and Quality
Room 2	9:00-10:30	Microwave Engineering & Radar System/ Communication Engineering and Networking
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Antenna and Wave Propagation-3
	3:30-4:00	Coffee Break
	4:00-5:30	Optical communication
Room 3	9:00-10:30	Biomedical Engineering
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Instrumentation
	3:30-4:00	Coffee Break
	4:00-5:30	Intelligent systems
Room 4	9:00-10:30	Information Technology
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Computer Architecture and Security
	3:30-4:00	Coffee Break
	4:00-5:30	Wireless Networks
Room 5	9:00-10:30	التطبيقات التقنية (الجلسة الاولى)
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	
	2:00-3:30	التطبيقات التقنية (الجلسة الثانية)
	3:30-4:00	Coffee Break
	4:00-5:30	التطبيقات التقنية (الجلسة الثالثة)
Room 6	9:00-10:30	Power System Operation and Control
	10:30-11:00	Coffee Break
	11:00-12:30	حلقة نقاش حول الشركة العامة للكهرباء
	12:30-2:00	Lunch
	2:00-3:30	Free
	3:30-4:00	Coffee Break
	4:00-5:30	Free

**Tuesday, March 6, 2018 (09:00 – 10:30)**

**Room 1**

<b>Session: Power System Simulation, Transients and EMTP Modeling, Renewable Energy Systems</b>			
Chairs: Prof. Milad A. Bashiri, Dr. Nuraddin M. Giali			
Time	Paper ID	Paper Title	Authors
9:00- 9:15	261	The Effect of input data and modeling on the results of switching overvoltage	M . El-Moktar Ali Hussan and Ibrahim Shlaibek
9:15- 9:30	263	Study of Plasma Parameters under Different Gas Pressures	Muad Sherif, M Bashiri, N Giali and M Elwdad
9:30-9:45	104	Evaluation of Fluorescent Lamp Experimentally and by Computer Simulations	Milad Bashiri, Malak Farhat and Faysil Zreeq
9:45-10:00	280	Introduce State Estimation Algorithm to Increase Distributed Generation Penetration into Distribution Network	Rashid Nasser Al Feras and Abubaker Omran Zawam
10:00-10:15	306	Measurements and Rated Voltage Enlargement of PTC Using Semiconductor Devices for Repetitive High-Speed Current Limiter Applications	Abubaker Omran Zawam, Rashid Nasser Al Feras and Salah G. Abokhatwa
10:15-10:30	109	Cycle Improvements to Steam Injected MCFC/Gas Turbine Systems	Abdullatif Musa and Abdulsalam Alaktiwi
10:30-10:40	371	Rotor angle stability Improvement by using Unified Power Flow Controller (UPFC)	Omer G. Mrehel, Alsadeg M. Alkish and Nasser A. Alabed

**Room 2**

<b>Session : Microwave Engineering &amp; Radar System/ Communication Engineering and Networking</b>			
Chairs: Dr Adel Saad Emhemmed, Nuredin Ali Ahmed and Eng. Daw Ali Mohamed			
Time	Paper ID	Paper Title	Authors
9:00-9:15	215	Improve Phase Shift of 90° Hybrid using Single Stub Method	B. Khamoudi and Alzahrah Saeid Mansour Abd-Aldaem
9:15-9:30	138	Improve the Phase Error of 90° Hybrid Coupler Using Extended Transmission Line Method	B. Khamoudi, A. Saeid and M. Abd-Aldaem
9:30-9:45	111	Negative Index in Lossy Metamaterial	T. Algadey and M Chatterjee
9:45-`10:00	438	Design od Sub Local Area Network and Performance Evaluation	O. Zargelin and K. Shallof
10:00-10:15	512	Non-Sensing Based Spectrum Handoff Modelling in Cognitive Radio Network	S. Zahed and A. Altuhami
10:15-10:30	186	Performance of MIMO Technique over Rayleigh Fading Channel with Alamouti Space Time Block Coding	A. Abdullah, M. Abdalla and I. Shati
10:30-10:45	272	A Client-Server Application to Avoid Unexpected Traffic Congestion	Youssef Gdura , Amna Elhawil, Ali Moftah Balaid

## Room 3

Session : Biomedical Engineering			
Chairs: Prof. Belgasem Shallof ; Prof. Musa El Dawab; Eng. Ahmed Jaber			
time	Paper ID	Paper Title	Authors
9:00-9:15	64	The Efficiency of Brain MRI Segmentation for 3D Printing Applications	Sand Al-Refai
9:15-9:30	323	Reconstruction of Medical Image Registration and Applications in EIT	Amani Solimanm Abulgasim Shallof
9:30-9:45	506	Applications of optimal control theory to infectious disease	Shada Elwefati, Moftah. Bakushm, Hanan Suleiman
9:45-10:00	531	Radiation exposure and image quality in brain ct examination	Mohammed. Saadm Mohammed Amer
10:00-10:15	534	patient dose estimating from computed tomography examinations at different hospitals in Libya	Mona Koshlaf, Mohamed Amer

## Room 4

Session : Information Technology			
Chairs: Prof. Mohamed Artimi Dr. Kenz Bozyd			
Time	ID	Paper Title	Authors
9:00-9:15	95	Smart Building Using EEG Signal Controller & Web Application	Marwa Abdulhakim Sherif Safa Abdulhakim Sherif
9:15-9:30	353	Developing social electronic services for children with special needs "Autistic children" and compared it to electronic services in developed countries	Khalid Abdelkader Ramadan Arfa Manal Mukhtar
9:30-9:45	444	Referential Data Coding for Disk Space Utilization	Musbah Elahresh Amal Omar Al-Nori
9:45-10:00	483	Semantic Web and Role of Ontology in its Development	Walid Ramdhan Abdalla
10:00-10:15	529	Formal Specification of White board system in CCA.	Najat Atbaiga Francois Siewe

## Room 5

عنوان الجلسة: التطبيقات التقنية (الجلسة الاولى)			
رؤساء الجلسة: عبدالله ادريس فضل و عادل سعد أمحمد			
المؤلفون	عنوان الورقة	رقم الورقة	التوقيت
أية محمد وايمان عبد السلام غرموط امبارك	تحقيق العملي لبعض خصائص منظومة المقطر الشمسي لتحلية المياه بطاقة الشمسية	432	9:00-9:15
محمد ابوصاح فنيير	Application of wireless temperature and relative humidity loggers in agricultural and food research	526	9:15-9:30
محمد ابولهجة سعد و محمد عامر	Radiation exposure and emage quality in Brain CT examination	531	9:30-9:45
عبد الحميد النايض و تايهرت الحشان	Effect of electric power supplies on acoustic emission signal during pool boiling using tap water	538	9:45-10:00
عقيل محمد عقيل و اشرف أبو الاسعاد و عائشة حسن القنطري و خشخوشه	اثر استخدام أجهزة اللوحية المحمولة علي تحصيل العلمي للطالب بمرحلة التعليم الاساسي	372	10:00-10:15

## Room 6

Session: E-government and E-Commerce			
Chairs: Dr. Kenz Bozyd Prof. Mohamed Artimi			
Time	ID	Paper Title	Authors
9:00-9:15	62	ICECR frame work to identify and control cloud based E-government.	Abdulmonam Alahrash Ayad Ali Keshlaf
9:15-9:30	82	Low cost water level monitoring system based on IoT technology.	Omar Mabrok Bouzid Mohamad Abodena Ayad Ali Keshlaf
9:30-9:45	379	Web based DSS for employee recruitment using fuzzy analytic hierarchy process	Ramadan Abdulhamid
9:45-10:00	435	تحديات تطبيق تقنيات انظمة الدفع الالكتروني في ليبيا	أ.د. محمد ابوالقاسم الرتيمي أ. عائشه محفوظ حمدي



**Coffee Break (10:30-11:00)**

**Tuesday, March 6, 2018 (11:00 – 12:30)**

**حلقة نقاش حول الشركة العامة للكهرباء**



**Lunch (12:30 – 14:00)**

**Tuesday, March 6, 2018 (14:00 – 15:30)**

## Room 1

<b>Session: Power Electronics Applications ,FACTS, HVAC, HVDC</b>			
Chairs: Prof. Rajab Ibsaim, Prof. Sattar Jaber Isawi			
time	Paper ID	Paper Title	Authors
14:00-14:15	29	Harmonic Current Compensation By Using Shunt Active Power Filter	Majdi A. Aljarmi and Abdul Hamid H. Esuri
14:15-14:30	33	Mathematical Model and Sensitivity Analysis of a Parallel 3-Phase Voltage Source Inverter	Khalid Ateea Alfaitori, Nagi Buaoassa, Haytham Yousef Mahmoud Mustafa, Elsenoussi Y Bubaker Daoud and Ahmed Tahir
14:30-14:45	34	A Comparative Study between Sine-Triangular Modulation and Six-Step Modulation Techniques for Three Phase Inverters	Nagi Buaoassa, Haytham.Yousef.Mahmoud Mustafa, Khalid Ateea Alfaitori, Elsenoussi Y Bubaker Daoud and Ahmed Tahir
14:45-15:00	46	Enhancement of voltage stability in power system using the Static Synchronous Compensator	Essam Ali Aky, M.K Jalboub and Mahmud Abotraba
15:00-15:15	48	Identification the Best Location of the Unified Power Flow Controller and Its impact on the power System Operation	Mahmud.A. Abotraba, M.K Jalboub and Osama.A Elmshakwi
15:15-15:30	536	Subcritical & Supercritical Neimark-Sacker Bifurcation in DCM Boost Converter	Otman Imrayed, I. Daho, H Amreiz and A. Ahtaiba

## Room 2

<b>Session : Antenna and Wave Propagation-3</b>			
Chairs: Dr Bashir Moh. Khamoudi , Eng Nafaa M Shebani and Eng. Abdalfittah Nuri			
Time	Paper ID	Paper Title	Authors
14:00-14:15	10	Determine Of Refractive Index Along High Platform Station's Link	Assadeq Abolhaoshat Mansour Albendag
14:15-14:30	99	Microwave Evaluation and Cross-Polarization due to Suspended Dust Particles in Air During Sand Storms on Microwave Link (Al-Joufrah Region)	FozuyAlarabi
14:30-14:45	537	تقدير قيمة التوهين بالأمطار باستخدام نموذج الاتحاد الدولي للاتصالات (ITU 618-10) في مسار القمر الصناعي عربسات 6B مع المحطات الأرضية في ليبيا عند النطاقات الترددية (Ku, Ka)	نافع الشيباني، رنيم العزابي، مودة قرقب
14:45-15:00	549	A modified MVDR Beamforming for nulling of Wideband Interference Signals	M. Alshulle and S. Alshibani
15:00-15:15	314	Path Loss Modeling for 5G Millimeter Wave communications	O. Abu-Ella, A. Elnairia and M. Zubia
15:15-15:30	126	Evaluation of PO Approximation's Accuracy in Measuring Radar RCS for Complex Objects	Adel S. Emhemmed, Ahmed M. Alarbi and Amer R. Zerek



## Room 3

Session : Instrumentation			
Chairs: Prof. Ali Salah El Melehi; Dr .El Mehdi Aboseta; Eng. Muhaned M bakush.			
Time	Paper ID	Paper Title	Authors
14:00-14:15	278	Comparison of Three Different Speed Estimation Methods for Senseless Variable Speed Drives in Faulty Induction Motors Occasions	Samieh Abu Saad, Fengshou Gu, Andrew D. Ballm Xiaozhi Shao
14:15-14:30	279	Detection and diagnosis of induction motor faults in senseless VSDs with Kalman filter estimators	S Abu Saad, Fengshou Gu, A Ball
14:30-14:45	291	Low Cost Inertial Sensors Modeling Using power spectral density	I Jleta, A Hussein
14:45-15:00	296	Design and Simulation of Microstructure Resonant Pressure Sensor	Mohamed Ali, M .Alamyal
15:00-15:15	562	Evaluate the Reliability and Availability of Substation Automation Architecture Using FTA	A. El-haji, I. Jleta, A Anter

## Room 4

Session : Computer Architecture and Security			
Chairs: Dr. Esam Sheh Dr. Ashraf Huedi			
Time	Paper ID	Paper Title	Authors
14:00-14:15	60	Internet of things based technology: IoT approach for early alerting about hazardous and prohibited substances.	Ayad Ali Keshlaf, Eman Bozkhar
14:15-14:30	131	Evaluation and Justification of Processor Cache Designs Through Simulation	Anis Elgarduh, Abdalhamed Alkawash, Abdemhsan Elbandac
14:30-14:45	190	An Experimental Study of the Effect of AES in Combination with 2D Lower Triangular Chaotic Map.	Nuha Abokhdair. Mohamed Sultan, Enas Ayad
14:45-15:00	197	Threshold Secret Sharing Authentication Protocol for Mobile Ad Hoc Network	Tarek S. Ghmati Shubat S. Ahmeda
15:00-15:15	275	Design of a Self-Checking Down Counter	Amal J. Mahfoud , K. Algehittam Ali H. Maamar
15:15-15:30	258	Security Analysis of Web Applications.	A Alajeili, A Almarimi
15:30-15:45	300	Encrypt The Text and Hide in the RGB Image using three Pointers of color.	M Agbisha ,A Isheiba , M. Jalal

## Room 5

عنوان الجلسة: التطبيقات التقنية (الجلسة الثانية)			
رؤساء الجلسة: د سعيد إبراهيم الختالي رئيسا و د محمد سعيد			
المؤلفون	عنوان الورقة	رقم الورقة	التوقيت
A.S.Mahmoud and N.M.Genda	Vortex Activation energy in (y,Nd)123 single crystal	209	14:00-14:15
عبد الحميد النايض و رمضان المدني و على عطية و عبد المجيد كابيولو	An experimental study of residual stresses induced in composite pressure Vessels (CPV0	210	14:15-14:30
ناهد فتحي فرج و علي صابر و عمران فرحات	علاقة تعليم والتعلم برمجة الحاسب الالي بخلفية الطالب الجامعي في علوم الرياضيات دراسة حالة علي كليات تقنية المعلومات بالجامعة الليبية العامة	214	14:30-14:45
ناصر مفتاح الزرزاح	اتجاه أعضاء هيئة التدريس والإداريين بجامعة المرقب نحو تطبيق الإدارة الإلكترونية-دراسة ميدانية	416	15:00-15:15
عادل طاهر الشويهيدي، هشام ابراهيم التاجوري و جسن احمد مادي	استراتيجية قياس و معايير جودة إنتاج البرمجيات في ليبيا بين الواقع و الطموح	307	15:15-15:30
عبد السلام محمد المايل و عادل محمد الشرجي	تطبيق الحكومة الالكترونية بالمجالس البلدية	449	15:30-15:45

## Room 6

Session : Power System Operation and Control			
Chairs: Dr. M.K.Jalboub, Dr. Abdelbaset Ihab			
Time	Paper ID	Paper Title	Authors
16:00-16:15	45	Optimal Operation and Economic Dispatch for The Combined Cycle of AL Harsha Power Plant	Ibrahim Abdalgader Mira, Ahmed Guma Alseed and M.K. Jalboub
16:15-16:30	65	Effect of Wind Velocity on the Clearances of Transmission line Tower Top Geometries	Ahmed Abdulkarim and Ali I. El Gayar
16:30-16:45	91	Economic Operation of Libyan Western Electric Network Based on OPF and ED Algorithms.	Mahmud.A Abotraba, Abdalla Idris Fadel and Essam A.Aky
16:45-17:00	97	Neural Network Application for Short Term Load Forecast of the Western Libyan electric Network	Abdulwahid Abraheem Khalleefah
17:00-17:15	226	AC Total Interference between Faulted Power Line and Nearby Steel Structure .	Ali I El Gayar, Zulkurnain Abdul-Malek and Ibtihal Elshami
17:15-17:30	246	Application of Security Enhancement Analysis to Libyan 220/400 KV Transmission Network	Mohamed Fathi Bara, Belkasem T Magid Obadi and Salma Belal Ali



## Coffee Break (15:30-16:00)

**Tuesday, March 6, 2018 (16:00 – 17:30)**

## Room 1

Session: Power System Stability , Reliability, and Quality			
Chairs: Dr. Abdussalm alansari, Dr. Hamza Alhusien			
Time	Paper ID	Paper Title	Authors
16:00-16:15	49	Optimal Distribution Planning of Agilat Electric Network	Ahmed Guma Alseed and Ibrahim Abdalgader Mira
16:15-16:30	394	Investigation of Small Signal Stability for Two Area System	Omar G.Mrehel, Khaled E.Sh.Ghambirlou and Anas Ali Ahnkhli
16:30-16:45	247	Evaluation of Libyan Transmission network reliability using AACIR	Belkasem Taher Obadi and Salma Belal Ali
16:45-17:00	559	Low frequency oscillation analysis with PSS parameter variation	Eman Almonsef Naser
17:00-17:15	567	Voltage Stability Enhancements in Regional Part of the Libyan Power Grid	Labib Daloub, Abdulatif Kharwat and Rida Altorshani
17:15-17:30	519	Thermodynamic Study of Operation Properties Effect on Polymer Electrolyte Membrane Fuel Cells (PEM)	Ibrahim. H. Tawil and Hassan Abdulkader

## Room 2

Session : Optical communication			
Chairs: Prof. Kheria S. Belgath , Pr Ali Ganoun, and Eng. Hager Bishi			
Time	Paper ID	Paper Title	Authors
16:00-16:15	183	Light Beam Behavior through Optical and Laser Devices, Fabry-Perot Etalon & Optical Amplifier Approach	A. Atiya
16:15-16:30	431	C-Band Simulation of Multi-Channel DWDM EDFA using Different Pumping Schemes	H. Alhejaji
16:30-16:45	541	Inhomogeneous Optical Fiber Formulation and Solution of the Waveguide	S. Elhabashi, B. Elhabashi and H. Emhamed
16:45-17:00	456	Simulation of Multi-Channel DWDM EDFA using Different Pumping Wavelengths (980 and 1480 nm)	H. Alhejaji
17:00-17:15	453	Simultaneously Fed 16-Channel EDFA vs. Single Channel Tunable EDFA	H. Alhejaji
17:15-17:30	543	Exploiting Colors in Visible Light Communications: An Overview	N. Abuzgala
17:30-17:45	555	Radio/Fiber System Using Microwave Photonic Up Conversion	M. Abousetta, H. Ali and S. Daerah

## Room 3

Session : Intelligent systems			
Chairs: Prof. Ali M Abied Dr. Nasar Aldian Shashoa Eng. Salah El .G. El Abosoda			
Time	Paper ID	Paper Title	Authors
16:00-16:15	67	Adaptive Neuro fuzzy inference system-hybrid reference control for improving the transient response of a controlled system using PID controller	Yousef Saied Okka Aymen Abdullah Alamri
16:15-16:30	35	Fuzzy Logic Speed Control of Three-phase Induction Motor based on Vector control Theory	Haytham.Yousef.Mahmoud Mustafa
16:30-16:45	544	Prediction of wheel and rail roughness parameters using artificial neural network	Amer Shebani C. Pislaru
16:45-17:00	545	Investigating the effects of neural network parameters on railway wheel wear prediction	Amer Shebani S. Iwnicki

## Room 4

Session : Wireless Networks and Software Engineering			
Chairs: Dr. Ashraf Huedi Dr. Esam Sheh			
Time	ID	Paper Title	Authors
16:00-16:15	194	Comparison of VoIP Performance over WIMAX, WLAN and WIMAX – WLAN Integrated Networks	Aboobaker Elhouni Ameera Otheman Adel Smeda
16:15-16:30	220	Plotting Matlab Maps for Hazard Areas Via GPS Android Application and MySQL Database	Adel Ali Eluheshi Amira Shlebik
16:30-16:45	295	Audio Codecs Impact on Quality of VoIP over mobile WiMAX Networks in handover process	Adel Ali Eluheshi Salih Saad Garash
16:45-17:00	260	The Role of Data Structures in Multi-Programming Languages	Musbah Elahresh
17:00-17:15	392	Quality Of Service (QoS) Performance Evaluation of VoIPv6 Codecs in fixed and Mobile WiMAX Networks	Al Bahlul Aboud, El Bahlul Fgee and Adel Ali Eluheshi
17:15-17:30	298	لحل نماذج البرمجة الخطية خوارزمية جينية بلغة R	جمال بشير أو هيبية
17:30-17:45	546	The Role of Problem Decomposition In Program Comprehension of Example Program	Ahmed Salem Alardawi, Babak Khazaei and Abdulhakim Mouloud Danna

## Room 5

عنوان الجلسة: التطبيقات التقنية (الجلسة الثالثة)			
رؤساء الجلسة: د سعيد إبراهيم الختالي رئيسا و د محمد سعيد			
المؤلفون	عنوان الورقة	رقم الورقة	التوقيت
Abdalmawla Lasmar	Effect Of Water Table Depth On Heat Flow Through A Slab- On-Ground Floor	7	16:00-16:15
عبد المولى الأسمر وجون شير كوف ، الفيتورى بدوي و احمد ميلاد	Numerical simulation for thermal energy storage using encapsulated phase change materials (PCMs) in Libya	8	16:15-16:30
جابر عقيله و عبد الخاق زعطوط	التعليم الذكي : أولي الخطوات للريادة	56	16:30-16:45
عبد المنصف عبد الله بو زيد	مشكلة اصلاح (او تداخل ) الآلات في المصانع ،مقارنة كفاءة الآلة والاستفادة من عمل الإصلاح في حالة النموذج المحدود والنموذج العشوائي جزئيا باستخدام عامل و عاملي اصلاح	69	16:45-17:00
عبدالمولى الأسمر و جون شيركوف	Modeling of solidification of phase change material rounding finned tube for thermal energy storage	115	17:00-17:15
	Using Geo-thermal method to investigate sea water intrusion in Elalus area	200	17:15-17:30

## Wednesday, March 7, 2018

Rooms	Time	Oral Sessions
Room 1	9:00-10:30	Distribution Systems and Distribution Generation Penetration, and storage
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Closing
	3:30-4:00	Coffee Break
	4:00-5:30	
Room 2	9:00-10:30	Electronics Components, circuits and subsystems
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Closing
	3:30-4:00	Coffee Break
	4:00-5:30	
Room 3	9:00-10:30	Linear & non linear control application
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Closing
	3:30-4:00	Coffee Break
	4:00-5:30	
Room 4	9:00-10:30	Wireless Networks
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Closing
	3:30-4:00	Coffee Break
	4:00-5:30	
Room 5	9:00-10:30	رفع القدرات ، نقل وتوطين التقنية ، استعراض نماذج محلية ، والاستثمار في التعليم التقني
	10:30-11:00	Coffee Break
	11:00-12:30	Off
	12:30-2:00	Lunch
	2:00-3:30	Closing
	3:30-4:00	Coffee Break
	4:00-5:30	
Room 6	9:00-10:30	Free
	10:30-11:00	Coffee Break
	11:00-12:30	حلقة نقاش حول التعليم التقني
	12:30-2:00	Lunch
	2:00-3:30	Closing
	3:30-4:00	Coffee Break
	4:00-5:30	

## Room 1

Session : Distribution Systems and Distribution Generation Penetration, and storage			
Chairs: Prof. Labib Daloub, Dr. Abosalah ElMehdi			
Time	Paper ID	Paper Title	Authors
9:00- 9:15	6	Effect of Distribution Generation on Power System Losses & Voltage Regulation Based OPF	Salah Eddin Elgdamsi, Abdalla Fadel and Abdulkarim Salih
9:15- 9:30	13	A comparative study for optimal replanning of A 30KV Distribution network based on Economic dispatch (ED) and optimal load flow (OPF) with and without DG penetration	Abdulkarim Salih, Abdalla Fadel and Salah Eddin Elgdamsi
9:30-9:45	23	Optimal Distribution Planning of (66KV) Electric Network base on Isolating Grid Operation with DG Penetration	Ali Krimid, Masoud Ali Salim and Abdalla Fadel
9:45- 10:00	24	Effect of Distributed Generation on Network Short Circuits	Masoud Ali Salim, Ali Ibrahim Krimid and Abdalla Idris Fadel
10:00-10:15	25	Power Loss Minimization and Voltage Profile Improvement of a Distribution System Using Optimal Size and Location of Distribution Generation	Hussein Melad Alfareed and Abdalla I. Fadel
10:15-10:30	63	The Automatic Detection of Power Theft in Libyan Electricity Network	Manal Shlebik, Fathi Musa, Mohamed Mhereeg, Abdallah Fadel and Muna Shlebik
10:30-10:40	348	تأثير توقفات قواطع الدورة 30 ك ف على الانتاج في المحطة الرئيسية بالشركة الليبية للحديد والصلب مصراته	صلاح مفتاح and ستار جابر العيساوي الاطرش

## Room 2

Session : Electronics Components, circuits and subsystems			
Chairs: Prof. Marai M. Abousetta , Dr Amer M. Daeri and Mahmoud Mohamed Almodi			
Time	Paper ID	Paper Title	Authors
9:00-9:15	219	Investigation of the Hybrid Cascaded Multilevel Inverter Performance Under PS-PWM Strategy	A. Elzowawi, O. Wafa and M. Elsherif
9:15-9:30	309	Using different Nano-grating shapes for the reduction of reflection losses in solar cells	ReyadAlfarah
9:30-9:45	489	Current Controller CCII Based Tunable Filter	I. Eldbib, A. Shaglouf and F. Abukalash
9:45- 10:00	490	Low Voltage Current Mirror Design Techniques	I. Eldbib, A. Shaglouf and A. Elahwil
10:00-10:15	173	A performance comparison digital control machine designing techniques	MiladElhadiAshour and Mohamed Mostafa Burkhiss
10:15-10:30	458	Low cost, tilt free and high altitude ultrasonic anemometer	SeifRhouma and Khaled Dadesh

### Room 3

Session : Linear & nonlinear control application			
Chairs Prof. Daw Mohamed El Zentani ; Dr. Abdellatef Ebrahim; Eng. Yahya El Sharf			
Time	Paper ID	Paper Title	Authors
9:00-9:15	498	Comparing the good gain method in a real benchmark water level control system	B Abubakr, O Abolaeham A. Hamed
9:15-9:30	508	Observer based optimal controller design and simulation for nonlinear system	A. Abougarair, M. Bakushm M Alrmah A. Elmulhi
9:30-9:45	540	control of biomass boiler water temperature using sliding mode control system	A. Lesewedm A. Khamism S Elzway
9:45-10:00	565	Design of Vessel Heading Autopilot Based on Model Reference Adaptive Control	M Abudorm A. Elmelhi
10:00-10:15	354	A fuzzy logic based control model for hybrid energy system with grid integration	I Imbayah, K Imbayah
10:15-10:30	80	Nonlinear Chemical Reactor Concentration Control Based on Neural Network Controller	E.Ahmed A. Albkosh, Nasr E.Shtawa

### Room 4

Session : Wireless Networks			
Chairs: Dr. Adel Eluheshi Dr. El Bahlul Fgee			
TIME	Paper ID	Paper Titel	Authors
9:00-9:15	524	SMACOF algorithm for Localization in WSN	Amal Mustafa Musbahi, Zuher Mesken Imbarak Ebra
9:15-9:30	551	Optimum Routing Protocol for Static Wireless Ad-Hoc Network	Sami F. Alahmar Omar O. Aldawibi
9:30-9:45	234	Improving the Performance of Uplink Scheduling Algorithm using OFDM-TDMA Technique in PMP WiMAX networks	Khaled Shalghum
9:45-10:00	176	Effect of Channel Multipath Fading and Node Trajectory on VoIP QoS in WiMAX Networks	Nadia Aboalgasm, I.A. Almerhag, Amer Daeri
10:00-10:15	421	Test and Evaluate Quality of Service of VoIP over WiMAX and 3G/UMTS Networks	عمر عمار شقيم
10:15-10:30	522	Comparing between MSP and TOA in localization estimation	Zuher Mesken Imbarak Ebra, Amal Mustafa Musbahi

### Room 5

عنوان الجلسة: رفع القدرات ، نقل وتوطين التقنية ، استعراض نماذج محلية ، والاستثمار في التعليم التقني			
رؤساء الجلسة: د. مفيد محمد النمري رئيسا د. جمال صلاح عبدالملك			
المؤلفون	عنوان الورقة	رقم الورقة	التوقيت
احمد محمد القايد و رمضان علي بوراوي	تكاليف الاستثمار في التعليم والتدريب الفني والتقني ودوره في خفض اجمالي الانفاق	497	9:00-9:15
انتصار احمد كروان	التقنية واثارها الإيجابية والسلبية علي نفسية الطالب في الكليات والمعاهد التقنية والفنية	447	9:15-9:30
جمعه محمد حويج	واقع التعليم الطبي التقني في ليبيا واستراتيجيات الاصلاح	113	9:30-9:45
فؤاد عاشور بختوة و سالم عطية الفريطيس	دور التعليم التقني في نقل وتوطين التقنية في ليبيا باستخدام أسلوب إعادة هندسة عمليات الاعمال	550	9:45-10:00
Ahmad Abdurahman Abosleala and Abubaker Abdallah Alguttar	مشاريع التخرج قيد الأدرج (لخريجي أقسام الحاسوب في مؤسسات التعليم العالي بمدينة مصراته كدراسة حالة)	245	10:00-10:15



## Coffee Break (10:30-11:00)

Wednesday, March 7, 2018 (11:00 – 12:30)

Room 6

حلقة نقاش حول التعليم التقني

12:30 – 14:00

Closure & Best Paper Award Distribution