



Scheme of the conference

	Time	Activity	Place	Notes
First Day 14 March 2018	09:00 – 10:00	Registration and Reception		
	10:00	Opening Ceremonies	Conference Hall A316	
	10:00– 10:05	Read Verses from the Holy Quran		
	10:05– 10:10	National anthem of the Republic of Iraq		
	10:10- 10:20	Speech of President of Wasit University	Conference Hall A316	
	10:20 – 10:30	Speech of Dean of College of Engineering in Wasit University	Conference Hall A316	
	10:30 – 10:40	Speech of IEEE , Iraq Section	Conference Hall A316	
	10:40 – 11:40	Inauguration Session	Conference Hall A316	
	10:40 – 11:10	1 st Lecture	Conference Hall A316	
	11:10 – 11:40	2 nd Lecture	Conference Hall A316	
	11:40 – 12:00	Coffee break		
	12:00 – 01:30	1 st Session		
		- Civil Track	Civil Hall A117	4 papers
		- Electrical Track	Main Hall E103	6 papers
		- Mechanical Track	Mech. Hall B203	5 papers
		- Manufacturing Process & Engineering Materials Track	Civil Hall A122	6 papers
	01:30 – 02:15	Lunch break	Architectural Hall E105	
	02:15 – 02:45	1 st workshop – Renewable Energy	Conference Hall A316	
	02:45 – 04:45	2 nd Session		
		- Civil Track	Civil Hall A117	3 papers
		- Electrical Track	Main Hall E103	6 papers
		- Mechanical Track	Mech. Hall B203	4 papers
		- Environmental & Architectural Track	Civil Hall A122	6 papers
	04:45	End of the 1 st day		
Second Day 15 March 2018	9:00 – 10:20	3 rd Session		
		- Electrical Track	Main Hall E103	4 papers
	10:20 – 10:30	Coffee break		
	10:30 – 11:00	2 nd workshop – (incubators)	Conference Hall A316	
	11:00 – 12:20	4 th Session		
		- Electrical Track	Main Hall E103	5 papers
	12:20 – 01:10	Lunch break	Architectural Hall E105	
	01:10 – 2:15	Final Session	Conference Hall A316	
		Recommendation of the Conference End of the Conference	Conference Hall A316	

1st Session	1st Day	Date	14 March 2018
CIVIL TRACK		Time	12:00 – 01:30
PLACE OF SESSION	Civil Hall A117	Session chair	Dr. Thaar S. Salman
		Member	Jasim M. Mhelhel
		Rapporteur	Melad M. Hasan

No.	Paper title	Researcher Name	Work Place	Time
1	Reactive Powder Concrete Sandwich Panels with Mechanical Connection Approach	Ashraf Alfeehan; Nibras Sheer	Mustansiriya University	12:00 - 12:20
2	Some Properties and Microstructure of Fibre Reinforced Lightweight Geopolymer Concrete	Wasan I. Khalil; Waleed A. Abbas; Ibtisam F. Nasser	University of Technology	12:20 – 12:40
3	Impact of Aggregate and Filler Type on Cold Asphalt Mixture Attitude	Mohammed Al-Jumaili; Ahmad Saleem Abdulateef	University of Kufa, Iraq	12:40 – 01:00
4	Flexural Behavior of Concrete-Filled Steel Tubular Beam	Muhaned Shallal	Al-Qadisiyah University, Iraq	01:00 -01:20

1st Session	1st Day	Date	14 March 2018
ELECTRICAL TRACK		Time	12:00 – 01:30
PLACE OF SESSION	Main Hall E103	Session chair	Dr. Hasan F. Khazaal
		Member	
		Rapporteur	Haider D. Al-Rikabi

No.	Paper title	Researcher Name	Work Place	Time
1	Artificial Immune System based Optimal Fractional Order PID Control Scheme for Robot Path Tracking	Worod Shutnan ; Turki Abdalla	University of Basra, Iraq	12:00 – 12:15
2	A Compact Monopole Antenna with Reconfigurable Band Notch for Underlay Cognitive Radio Applications	Ali Mohammed; Abdulghafor Abdulhameed; Falih Mousa ; Abdulkareem S. Abdullah	(University of Basra, Iraq);	12:15 – 12:30
3	Reduction of Energy Consumption In HVAC Systems of Abu Ghraib Prison In Iraq	Fadhil Al Malaki	University of Turkish Aeronautical Association;	12:30 -12:45
4	Load balancing in distribution system using heuristic search algorithm	Fadhela Handhal; Abdulmuttalib Rashid	University of Basra, Iraq	12:45 – 01:00
5	Design and implementation of static and dynamic objects store systems using line follower robots	Abdulmuttalib Rashid; Fatima Almosawi	University of Basra, Iraq	01:00 – 01:15
6	Dispersed spectrum switching of SVPWM for two level voltage source inverter	Yasir Ameen	University of Mosul, Iraq	01:15 – 01:30

1st Session	1st Day	Date	14 March 2018
MECHANICAL TRACK		Time	12:00 – 01:30
PLACE OF SESSION	Mech. Hall B203.	Session chair	Dr. Hasan K. Abdullah
		Member	Dr. Abdul Salam Dawood
		Rapporteur	Dr. Batul M. Alasadi

No.	Paper title	Researcher Name	Work Place	Time
1	Comparative Study on the Performance of S-Shaped Diffuser with Shorten Length	Raed Jessam ; Hussain H. Al-Kayiem; Mohammad S. Nasif; Hasanain A. Abdul Wahhab	UTP & UTP, Malaysia; University Technology PETRONAS, Malaysia; University Technology PETRONAS, Malaysia	12:00 – 12:18
2	Enhancing cooling performance of micro pin fin heat sink using PCM with different configurations	Mushtaq Ismael Hasan; Hind Tbeni	Thi-Qar University, Iraq	12:18 – 12:36
3	Numerical Investigation of Non-Newtonian Fluids Flow In Two Direction Double Step Square Expansion	Qais Rishack; Khudheyer Mushatet; Ahmed Ouda	Basra University, Iraq; Thi-Qar University, Iraq; Thi Qar University, Iraq	12:36 – 12:54
4	Modeling whirling motion and heat transfer intensification in a heated tube with a twin twisted tape	Khudheyer Mushatet; Farah Yousif	Thi-Qar University, Iraq;	12:54 – 01: 12
5	Methodology Design to predict the Temperature distribution of γ /AL2O3-Water Nanofluid	Adil Almoosway	University of Babylon, Iraq	01:12 – 01:30

1st Session	1st Day	Date	14 March 2018
Manufacturing Process & Engineering Materials TRACK		Time	12:00 – 01:30
PLACE OF SESSION	Civil Hall A122	Session chair	Dr. Azzam S. Albundugee
		Member	Dr. Mohammed A. Khabeer
		Rapporteur	Hazim A. Shheib

No.	Paper title	Researcher Name	Work Place	Time
1	Microwaves Furnace Heat Effect on Aluminum Alloy 7075-T73	Ahmed Shandookh; Sadiq Aziz ; Rafeef Salman	University of Technology/ Baghdad / Iraq	12:00 – 12:15
2	Electrical properties and Electrochemical Impedance Spectroscopy for LiCo _{0.5} Ni _{0.45} Ag _{0.05} O ₂ powder	Adawiya Haider	University of Technology, Iraq	12:15 – 12:30
3	Vision System Aided 3D Object Reconstruction and Machining using CNC milling machine	Ali Abbar Khleif; Ahmed Shnawa	University of Technology, Iraq	12:30 -12:45
4	Optimization of Machining Nickel Aluminum Bronze Matrix Composite Prepared by Powder Metallurgy	Alaa Jaafar; Haydar Al-Ethari	University of Babylon, Iraq	12:45 – 01:00
5	Characterization of ceramic foam from Metakaolin and Waste glass by foaming sodium silicate agent	Ammar Karim; Majid Shukur	University of Babylon, Iraq	01:00 – 01:15
6	Influence of Mechanical Mold Vibration on EDM of Aluminum-Alumina Composite	Rand Al-Shuraifi; Haydar Al-Ethari; Saad Al-Shaafaie	University of Babylon, Iraq	01:15 – 01:30

2nd Session	1st Day	Date	14 March 2018
CIVIL TRACK		Time	02:45 – 04:45
PLACE OF SESSION	Civil Hall A117	Session chair	Dr. Husein A. Jabir
		Member	Dr. Jareer Jabir
		Rapporteur	Haqqi Hadi

No.	Paper title	Researcher Name	Work Place	Time
1	Mechanical Properties of PP-Based Engineered Cementitious Composites	Sallal Abid; Mohammed Siwan; Noor Alazawi; Yasir Daek	University of Wasit, Iraq	02:45 – 03:05
2	Numerical Investigation of Concrete Abrasion in Stilling Basin Type III Using FLOW3D program	Ali N. Hilo; Sallal R. Abid; Yasir Daek	University of Wasit, Iraq	03:05 – 03:25
3	Effect of thermal inertia (time lag and decrement factor) on the insulation thermal capacity	Hussein Humaish; Hassen Beji; Laurent Marmoret	Technical Institute, Al-Kut University of Picardie Jules Verne, France	03:25 – 03:45

2nd Session	1st Day	Date	14 March 2018
ELECTRICAL TRACK		Time	02:45 – 04:45
PLACE OF SESSION	Main Hall E103	Session chair	Dr. Abdul Jabbar F. Ali
		Member	
		Rapporteur	Faisal Dhiab

No.	Paper title	Researcher Name	Work Place	Time
1	<i>Scheduling Lecturer System Based on FPGA</i>	Zaid Mohammed; Abdullah Mohammed ; Mothanna Aziz	Northern Technical University, Iraq Technical Engineering University, Iraq	02:45 – 03:05
2	<i>Investigation he Performance Analysis of the IEEE 802.11a Standard Based WSN With QoS</i>	Ziyad Farej	Northern Technical University, Iraq	03:05 - 03:25
3	<i>Symbol Time Offset Synchronization Based on Training Sequence</i>	Ghassan Al-Saadi ; Khairul Azmi Abu Bakar; Mohd. Rosmadi Mokhtar	UKM University, Malaysia; University Kebangsaan Malaysia	03:25 – 03:45
4	<i>Energy Efficient Cell Association in Two-tier Cellular Networks</i>	Ismail Hburi	Brunel University-UK, Wasit University-Iraq	03:45 – 04:05
5	<i>Secure Speech Communication System Based on Scrambling and Masking by Chaotic Maps</i>	Hikmat N. Abdullah ; Saad Hreshee ; Ameer Jawad	University of Al-Nahrain,; Babylon University, Iraq; Islamic University College,	04:05 – 04:25
6	<i>A Hybrid Propagation Coverage Prediction Model for Mountainous Areas</i>	Ahmed Abdulrasool ; Jabir S Aziz ; Sadiq Abou-loukh	Baghdad University, Iraq AL-Nahrain University, Iraq University of Baghdad, Iraq	04:25 – 04:45

2nd Session	1st Day	Date	14 March 2018
MECHANICAL TRACK		Time	02:45 – 04:45
PLACE OF SESSION	Mech. Hall B203	Session chair	Dr. Alaa Rahma Albadri
		Member	Dr. Kamel A. Khalaf
		Rapporteur	Dr. Hatem A. Mahmud

No.	Paper title	Researcher Name	Work Place	Time
1	<i>Investigation of Friction Condition Between Human Skins at Lower Limb Stump with Different Textiles</i>	Emad Kamil Hussein; Kussay Ahmed Subhi; Andrei Tudor	Al-Mussaib Technical College, Iraq) University of Bucharest, Romania	02:45 – 03:15
2	<i>CFD study of heat transfer enhancement in double pipe heat exchanger with twisted tape inserts</i>	Hassanien Kamel ; Zena Kadhim	University of wasit, Iraq;	03:15 – 03:45
3	<i>Effect of Temperature Gradients on Critical Speeds of Rotating Shafts</i>	Farouk Hamdoon	University of Wasit, Iraq	03:45 – 04:15
4	<i>An experimental investigation of free convection heat transfer rate enhancement of rectangular fins</i>	Abbas Al- Jassani, Jubear; Hussein Al-Bugharbee	University of Wasit, Iraq	04:15 – 04:45

2nd Session	1st Day	Date	14 March 2018
Environmental Engineering & Arch. TRACK		Time	02:45 – 04:45
PLACE OF SESSION	Civil Hall A122	Session chair	Dr. Hatem A. Kzar
		Member	Dr. Ihsan A. Jasim
		Rapporteur	Hiba D. Saleem

No.	Paper title	Researcher Name	Work Place	Time
1	Extracting Detailed Buildings 3D Model with using High Resolution Satellite imagery By Remote Sensing and GIS Analysis	Hayder Dibs; Suhad AL-Hedny; Hasan Saad Abed Karkoosh	Al-Qasim Green University, Babil, Iraq	02:45 – 03:05
2	Spatial Analysis of Forest Biomass in Mississippi State	Nuralhuda Jasim,	Wasit University, Iraq	03:05 – 03:25
3	Color Removal from Textile Wastewater Using Capparis Spinosa as Natural Coagulant	Ali Jwied Jael; Noor Shakir Ali	Wasit University, Iraq	03:25 – 03:45
4	COD Removal from Synthetic Wastewater Using Pervious Concrete	Ali Jwied Jael; Ghufran Haider Faisal	Wasit University, Iraq	03:45 – 04:05
5	Sustainable Pollutants Removal from Wastewater Using Sand Filter A Review	Ali Jwied Jael; Shahad Abdulkathum	Wasit University, Iraq	04:05 – 04:25
6	Urban Transformations of Historical Cities Centers Urban Renewal Projects of Alnajaf City Center	Hussam S. O. Aldelphi	Wasit University, Iraq	04:25 – 04:45

3rd Session	2nd Day	Date	15 March 2018
ELECTRICAL TRACK		Time	09:00 – 10:20
PLACE OF SESSION	Main Hall E103	Session chair	Dr. Ismael S. Bakir
		Member	
		Rapporteur	Anmar Shakir

No.	Paper title	Researcher Name	Work Place	Time
1	Biometrics Detection and Recognition Based-on GFE	Reyadh Mahdi; Azmi Shawkat	University of AL Mustansiriya, Iraq University of Anbar, Iraq	09:00 – 09:20
2	Voltage Optimization For Distribution Power System Using Alternative Technics	Mehdi Bonneya ; Ali Hamza	Meddle Technical University, Iraq	09:20 – 09:40
3	Design of 32-Bits RISC Processor for Hardware Efficient QR Decomposition	Safaa Omran ; Ahmed Abdul-abbas	College of Electrical and Electronic Techniques, Iraq	09:40 – 10:00
4	An Innovative Data Encryption Technique through Keys Distributed over Websites using Linked-Lists	Mustafa Dhiaa Al-Hassani; Basheer Zuhair Jaafar	Mustansiriya University, Iraq	10:00 – 10:20

4th Session 2nd Day		Date	15 March 2018
ELECTRICAL TRACK		Time	11:00 – 12:20
PLACE OF SESSION	Main Hall E103	Session chair	Dr. Mansur S. Farhan
		Member	
		Rapporteur	Sarmad Abdel Ilah

No.	Paper title	Researcher Name	Work Place	Time
1	<i>Applying the Improved TR-IR-UWB Receiver in Hospitals Using Modified Hadamard MATRIX</i>	<i>Rashid Ali Fayadh; Zena Alwan and Aya Kamil</i>	<i>Middle Technical University, Iraq</i>	11:00 – 11:15
2	<i>Lightweight-Cryptography... Status and Future Challenges</i>	<i>Akbal Omran</i>	<i>University of Information and Communication Technology, Iraq</i>	11:15 – 11:30
3	<i>Statistical Computation and Term Weighting for Feature Extraction on Twitter</i>	<i>Ammar Kadhim</i>	<i>Iraq-Baghdad</i>	11:30 – 11:45
4	<i>Distributed Hybrid Method to Solve Multiple Traveling Salesman Problems</i>	<i>Abdul Hadi M. Alaidi Ausif Mahmood</i>	<i>Wasit University</i>	11:45 – 12:00
5	<i>SCADA Controlled Smart Home Using Raspberry Pi3</i>	<i>Bilal Alhsnawi ; Basil Jasim</i>	<i>University of Basra, Iraq</i>	12:00 – 12:20