



Program at a Glance

Day 1: Tuesday, 7 Sep. 2021

Time	Program Content	
10:00 - 10:15	Conference opening and welcome speeches by the conference chairs* Prof. Rabee H. Alabbasi, Chancellor of STU, Iraq Prof. Raed Abd-Alhameed, University of Bradford, UK	Coordinators: Prof. Walid, Dr. Rana, Dr. Hayder
10:15 - 11:00	Keynote 1* Prof. Hakan S. Soyhan, Sakarya University, Turkey Dr. Mansour Al- Qubeissi, Coventry University, UK The Interaction Between Various Engineering Disciplines: The Case of Fuel Applications	
11:00 - 11:30	Tea Break	
11:30 - 13:00	Parallel Technical Sessions (D1S1 ; D1S2; D1S3; D1S4; D1S5) **	
13:00 - 14:00	Lunch Break	
14:00 - 14:45	Keynote 2* Prof. Raed Abd-Alhameed, University of Bradford, UK Prof. Walid Al-Hussaibi, Southern Technical University, Iraq Energy Efficient Transceivers: Towards Green Communications and IoT	Coordinators: Prof. Walid, Dr. Rana, Dr. Hayder
14:45 - 16:15	Parallel Technical Sessions (D1S6 ; D1S7; D1S8; D1S9; D1S10) **	

Day 2: Wednesday, 8 Sep. 2021

Time	Program Content	
10:30 - 11:15	Keynote 3* Prof. Nadir Ahmed, Salford University, UK Plasma Technology for Surface Engineering and Medical applications	Coordinators: Prof. Walid, Dr. Rana, Dr. Hayder
11:15 - 11:30	Tea Break	
11:30 - 13:00	Parallel Technical Sessions (D2S1 ; D2S2 ; D2S3 ; D2S4 ; D2S5) **	
13:00 - 14:00	Lunch Break	
14:00 - 14:45	Keynote 4* Prof. Adel Sharif, University of Surrey, UK The Role of Technology in Addressing the World's Challenges in Water, Energy and Food	Coordinators: Prof. Walid, Dr. Rana, Dr. Hayder
14:45 - 16:15	Parallel Technical Sessions (D2S6 ; D2S7 ; D2S8 ; D2S9 ; D2S10) **	

Day 3: Thursday, 9 Sep. 2021

Time	Program Content		
10:30 - 11:15	Keynote 5* Prof. Rami Al-Hadeethi, University of Victoria, UK Importance of eLearning & Blended Learning in Institutes of Higher Education	Coordinators: Prof. Walid, Dr. Rana, Dr. Hayder	
11:15 - 11:30	Tea Break		
11:30 - 13:00	Parallel Technical Sessions (D3S1 ; D3S2 ; D3S3 ; D3S4 ; D3S5) **		
13:00 - 14:00	Lunch Break		
14:00 - 14:45	Keynote 6* Dr. Luis Sanabria-Russo, CTTC, Spain Broadening what Healthcare is: emergency prediction and mitigation in the 5G-and-beyond era	Coordinators: Prof. Walid, Dr. Rana, Dr. Hayder	
14:45 - 15:45	Parallel Technical Sessions (D3S6 ; D3S7) **		
15:45 - 16:00	Tea Break		
16:00 - 16:30	Ending the conference and speeches of the conference chairs* Prof. Raed Abd-Alhameed, University of Bradford, UK Prof. Alaa F. Abdulahad, STU VC for Scientific Affairs, Iraq	Coordinators: Prof. Walid, Dr. Rana, Dr. Hayder	

*Zoom Meeting: <https://us02web.zoom.us/j/5147146028?pwd=RG9PSHhDWlgORFN0ckxVUkZTbHFqQT09>

** A time slot of 15 min is assigned for each paper (presentation and discussion).



Technical Sessions

Day 1: Tuesday, 7 Sep. 2021

Session 1 (11:30 - 13:00)

D1S1: Communications Engineering Technologies [Virtual Meeting]			
Session Chair: Prof. Falah H. Ali, University of Sussex, UK			
Coordinator: Dr. Rana A. Zubo, NTU, Iraq			
Zoom Meeting: https://us02web.zoom.us/j/7945843339?pwd=RTdzS3hzeVY3V3dXNXJvSnkxS2wrZz09			
Paper ID	Time	Paper Title	Authors
1570712361	11:30 - 11:45	Planar Monopole UWB Antenna for Microwave Medical Image System	Adel Ashyap*, Zuhairiah Zainal Abidin, Samsul Haimi Dahlan, et al.
1570734224	11:45 - 12:00	Implementations of Smart Cities in USA, Europe and Far East Countries	Fatima N. AlQaoud*
1570734431	12:00 - 12:15	Design of a Hexagonal Printed Monopole Antenna with Circular Slot for UWB Breast Cancer Imaging Applications	Salamatu Abubakar Ibrahim, Isah Musa Danjuma*, Mohamed Abdul-Al, Raed Abd Alhameed
1570734690	12:15 - 12:30	A GaAs pHEMT MMIC Doherty Power Amplifier for 5G Mobile Handset	Maryam Sajedin*, Issa Elfergani, Jonathan Rodriguez, et al.
1570722912	12:30 - 12:45	Low Profile Substrate Integrated Waveguide (SIW) Wideband Antenna for Ku-Band Applications	Faris Ali*
1570738175	12:45 - 13:00	Beam Steering of Wearable Antenna with Metamaterial Structures for Patient Monitoring	Parisa Shirvani*, Farzad Khajeh-Khalili, Raed A. Abd-Alhameed, et al.

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Session 2 (11:30 - 13:00)

D1S2: Control and Power Engineering [Hybrid Meeting]			
Session Chair: Prof. Baqer T. Atiyah, STU, Iraq			
Coordinator: Dr. Hayder Y. Yousif, STU, Iraq			
Zoom Meeting: https://us02web.zoom.us/j/4074497595?pwd=SWNSNWpLaHdOUH0Y040UVRlcmoyZz09			
Paper ID	Time	Paper Title	Authors
1570717125	11:30 - 11:45	Improve Path Planning of Mobile Robot Using Atom Search Optimization Algorithm	Issa A. Abed*
1570721883	11:45 - 12:00	Novel Technical Design of an Early Protection System for an Electronic Fuel Injection System	Abdullah Al Gizi*
1570726313	12:00 - 12:15	Allocation and Sizing of the Distributed Generation for Power System Instability Prevention	Dhafer Mayoof Dahis*
1570727759	12:15 - 12:30	Smart Energy Metering Based on Arduino, GSM, and Raspberry pi3 as Server	Osama Al-Atbee*, Doaa Alsehail, Ali Marhoon
1570733776	12:30 - 12:45	A Comparison Study of Velocity Controller of Indirect Field Oriented Control of Linear Induction Motor Drive Using Model Predictive Controller	Fatimah Jaber*
1570733655	12:45 - 13:00	PC/PLC Based Simultaneous Running of More than One Laboratory Experiments Using WxPython and Pymodbus	Jawad Alali*, Ramzy Salim Ali



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Session 3 (11:30 - 13:00)

D1S3: Mechanical Engineering [Hybrid Meeting]			
Session Chair: Prof. Adnan A. Ateeq, STU, Iraq Coordinator: Dr. Zaineb M. Alhakeem, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/6811954338?pwd=MGdRYS9XUVlqYUI3NUovZEMwYTl1QT09			
Paper ID	Time	Paper Title	Authors
1570731967	11:30 - 11:45	Experimental and Theoretical Study to Improve the Spark Ignition Engine Performance	Ali Badr*
1570733279	11:45 - 12:00	Fuel Cell 3D Contour Simulation of Serpentine Flow Field Inside Cubic Channels	Akeel M. Ali Morad* , Zahraa Jabar, Noor Jawad
1570733844	12:00 - 12:15	Flow Field Simulation Between Angle Vane and Cylinder	Tahseen Ali Jabbar*
1570734975	12:15 - 12:30	Numerical Study of the Effect of Orientation Angles on Combined Convection in a Cavity Contain Rotation Cylinder	Amani J. Majeed* , Falah A. Assi, Sana Yaseen
1570737691	12:30 - 12:45	Protection of Copper Alloy Condenser Tubes by Coating	Wasan A. Alkaron* , Qais A. Reshack
1570745003	12:45 - 13:00	Wear Resistance of Gray Cast Iron Under High Temperature Conditions	Ali A. G. Alkhafaji*

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Session 4 (11:30 - 13:00)

D1S4: Medical Sciences and Technologies [Hybrid Meeting]			
Session Chair: Prof. Khwam R. Hussein, STU, Iraq Coordinator: Dr. Hayder M. Amer, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/6043333809?pwd=L25ST09YelpnaW1NN1pxNUZkZndOQT09			
Paper ID	Time	Paper Title	Authors
1570715024	11:30 - 11:45	Comparison of toxic effects of some nonsteroidal anti-inflammatory medications on the kidney and lung tissues of rats	Manal Al-Hayder* , Tamadir Hamid Wadi Aledani, Rafid Doulab
1570725813	11:45 - 12:00	Assessment of Hepatitis C Virus (HCV) Associated with Hemodialysis Patients in Thi-Qar Province, Iraq	Ali A. Khalaf*
1570729589	12:00 - 12:15	Study the extent of the relationship among hormonal disturbance, vitamin D deficiency and age in women with polycystic ovary Thi-qar city, southern Iraq	Mahdi M. Thuwaini* , Shalan Al-saedy, Ali Al-Snafi
1570731998	12:15 - 12:30	Molecular Docking, Molecular Dynamics and Reactivity of Some Nitro Derivatives as Anti-HIV	Rita S. Adam*
1570732769	12:30 - 12:45	Evaluation the Diagnostic Values of Direct and Indirect Non-Invasive Biochemical Markers of Liver Fibrosis in Patients with Chronic Hepatitis B Virus	Dawood S. Mahdi*
1570733445	12:45 - 13:00	Detection of Mutations in the 81 Bp RRDR of rpoB Gene in Mycobacterium Tuberculosis Clinical Isolates Using Xpert® MTB/RIF in Basra/Iraq	Ghorob Khudhair* , Khairallah Mohammed, Dheyaa Al-Rabeai



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Session 5 (11:30 - 13:00)

D1S5: Finance and Business Technologies [Hybrid Meeting]			
Session Chair: Prof. Alaa F. Abdulahad, STU, Iraq Coordinator: Dr. Zaid A. Hussain, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/3936145913?pwd=dzBnV2hxdDBZeWxMR0swR3JNZNtQT09			
Paper ID	Time	Paper Title	Authors
1570734656	11:30 - 11:45	Using Time Driven-Activity Based Costing TD-ABC Approach for Controlling	Jaber Ali*
1570736903	11:45 - 12:00	Visual Management and Its Impact on Reducing Wastage (3M) Through the Mediating 7S Methodology: An Applied Study in Al-Rayan Company	Hashim Nayif*
1570737653	12:00 - 12:15	The Role of the Ethical Responsibility of Management in Promoting Financial Disclosure	Ali K. Gatea*
1570727957	12:15 - 12:30	A Comparison Between the International Standards PRINCE2 and PMBOK in Project Management	Sanaa H. Alenzi*, Maher K. Taher
1570735841	12:30 - 12:45	The Effect of Using Fair Value Accounting in Activating the Iraqi Stock Market (a Field Study on Companies Registered in the Iraqi Market for Financial Markets)	Jalil I. Alkunani*
1570736316	12:45 - 13:00	The Influence of Critical Success Factors on Project Success: Evidence from Several Electric Power Projects in Iraq	Alhamzah Alnoor, Jr., Aymen Abdulaali*, Hadi Al-Abrow, Hasan Abdullah, Sammar Abbas

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Session 6 (14:45 - 16:15)

D1S6: Communication Systems [Virtual Meeting]			
Session Chair: Dr. Zuhairiah Zainal Abidin, Universiti Tun Hussein Onn Malaysia, Malaysia Coordinator: Dr. Hussein Fadhel, NTU, Iraq Zoom Meeting: https://us02web.zoom.us/j/7945843339?pwd=RTdzS3hzeVY3V3dZNXJvSnkxS2wrZz09			
Paper ID	Time	Paper Title	Authors
1570739254	14:45 - 15:00	UHF Radio Channel Measurements and Prediction for Maritime Communications	Fernando Salazar-Quinonez*, Raed A Abd-Alhameed, et al.
1570733657	15:00 - 15:15	Comparative Performance of mmWave 5G System for Many Beamforming Methods	Shaymaa Ahmed *
1570740002	15:15 - 15:30	Design of Optimum Microstrip to Substrate Integrated Waveguide Transition	Nassir Guellil*, Chemseddine Zebiri, Issa Elfergani, et al.
1570734775	15:30 - 15:45	5G Uplink Performance of Symbol-Based Schedulers with Network Slicing	Omar Altaee *
1570744512	15:45 - 16:00	F-Shape Dual-Band MIMO Antenna System for Next-Generation Smartphone Applications	Atta Ullah*, Naser Ojaroudi Parchin, Waqas Manan, et al.
1570739847	16:00 - 16:15	Performance and Analysis of the Altitude for Optical Channel Drones	Abdullah J. Mahdi*, Wamidh Jalil Mazher, Osman Nuri Ucan



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Session 7 (14:45 - 16:15)

D1S7: Networks and Information Technology [Hybrid Meeting]			
Session Chair: Dr. Hussein A. Leftah, STU, Iraq Coordinator: Dr. Hayder Y. Yousif, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/4074497595?pwd=SWNSNWpLaHdOUHo0Y040UVRlcmoyZz09			
Paper ID	Time	Paper Title	Authors
1570715095	14:45 - 15:00	Multi-Level Chaos-Shift-Keying for Non-Orthogonal Multiple Access with Physical Layer Security	Walid A. Al-Hussaibi, Israa Al-Musawi* , Falah H. Ali
1570736546	15:00 - 15:15	A theoretical study of the Super continuum generation for the photonic crystal fiber	Mohammed S. Jasim, Nadia Al-Aboody*
1570727632	15:15 - 15:30	Lightweight Authentication Protocol for Smart Healthcare	Issa A. Abed*
1570738239	15:30 - 15:45	Precipitation Forecast for Thi-Qar Province of Iraq Utilizing Machine Learning Approaches	Anwar Alnawas* , Nassir AL-Khafaji, Hayder Azeez
1570732386	15:45 - 16:00	Network Utility Maximization for Information Frequency Adaptation in Vehicular Networks	Hayder M. Amer* , Hawraa Al Mohammed, Lyudmila Mihaylova, Marcos A Rodrigues.
1570734526	16:00 - 16:15	Wireless Sensor Networks Applications, Challenges, and Security Requirements	Ali H. Abdulwahid, Muwaffaq J. Salih*

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Session 8 (14:45 - 16:15)

D1S8: Sustainable and Green Technologies [Hybrid Meeting]			
Session Chair: Prof. Mohammed S. Abd-Ali, STU, Iraq Coordinator: Dr. Zaineb M. Alhakeem, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/6811954338?pwd=MGdRYS9XUVlqYUI3NUovZEMwYTl1QT09			
Paper ID	Time	Paper Title	Authors
1570737825	14:45 - 15:00	Examining Mechanical Properties of Recycled Aggregate Concrete	Rahman S. Kareem *
1570742851	15:00 - 15:15	Design for Sustainability & Product Differentiation an Empirical Study at SALSAL Factory for Purified Water	Hamid S. Mahmoud*
1570725796	15:15 - 15:30	The Effect of Fins on the Performance of the Plate Heat Recovery Ventilator	Parehan A. Salman*
1570730462	15:30 - 15:45	The Physical Properties of the Addition of Reinforcement Metals of Aluminum and Silica Micro Particles with Unsaturated Composite Materials	Ahmed S. Mahdi*
1570742190	15:45 - 16:00	Autonomous Control of Multi Speed Split Unit Air Conditioning for Space Load Response	Ali L. Tarish* , Wasan A. Jwad
1570727307	16:00 - 16:15	The Effect of Baffle Inclination on a Heat Recovery Ventilator Performance	Hawraa I. Abdulhafedh*



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Session 9 (14:45 - 16:15)

D1S9: Medical and Health Sciences [Hybrid Meeting]			
Session Chair: Prof. Majid A. Maatook, STU, Iraq Coordinator: Mr. Ali A. Jawad, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/6043333809?pwd=L25ST09YelpnaW1NN1pxNUZkZndOQT09			
Paper ID	Time	Paper Title	Authors
1570730469	14:45 - 15:00	Ameliorating Effect of Alteplase in Bleomycin-Induced Pulmonary Fibrosis in Adult Rats	Mahdi M. Thuwaini, Hanaa Kadhem* , Ali Al-Snafi
1570733600	15:00 - 15:15	Molecular Characterization of Staphylococcus Haemolyticus Isolated from Vaginitis and Some of Their Virulence Factors	Mohammed H. Flaih* , Enas R. Alwaily, Ruaa M. Khazaal, Khwam R Hussein
1570734592	15:15 - 15:30	Influence of Genetic Polymorphism of IL-2 and IL-6 and Their Serum Levels on Susceptibility to Helicobacter Pylori Infection and Prognosis of Gastroduodenal Diseases	Khairallah Mohammed* , Methaq Al-Hilfi; Naael Ali
1570735057	15:30 - 15:45	Assess the Extent to Which Nursing Staff Adhere to Safety and Prevention Measures Against the Corona Virus at Basra General Hospital / Iraq	Farazdaq F. Katae *
1570736135	15:45 - 16:00	Virulence Characteristics and Antibiotic Resistance of Klebsiella Pneumoniae Isolated from Clinical Sources	Mohammed H. Amer* , Khwam R Hussein
1570735947	16:00 - 16:15	Time Trends of Noncommunicable Diseases Mortality in Basra Province During 2010-2019	Sa Ala *

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Session 10 (14:45 - 16:00)

D1S10: Sustainable Management and Economics [Hybrid Meeting]			
Session Chair: Dr. Jaber Ali, STU, Iraq Coordinator: Dr. Qahtan M. Shalal, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/3936145913?pwd=dzBnV2hxdDBZeWxMR0swR3JNZTntQT09			
Paper ID	Time	Paper Title	Authors
1570742339	14:45 - 15:00	The Role of Internal Control in Reducing Administrative and Financial Corruption Applied Research at the Technical Institute / Nasiriya	Ali k. Gatea*
1570731670	15:00 - 15:15	Analytical Procedures and Their Impact on Reducing Audit Risks in the Auditor's Report	Sawsan Jassim* , Alaa F. Abdulahad
1570739239	15:15 - 15:30	Legalization of Cannabis Cultivation A Comparative Study	Samer H. Safer*
1570737192	15:30 - 15:45	The Active Role of Servant Leadership to Improve Performance of Employees	Manal AM ALmeed*
1570738363	15:45 - 16:00	The effect of adopting technology in intellectual capital	Alhamzah Alnoor, Mustafa Mohammed* , Abbas Muhammad



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Day 2: Wednesday, 8 Sep. 2021

Session 1 (11:30 - 13:00)

D2S1: Green Communication Technologies [Virtual Meeting]			
Session Chair: Prof. Issa Elfergani, Instituto de Telecomunicações, Portugal Coordinator: Dr. Rana A. Zubo, NTU, Iraq Zoom Meeting: https://us02web.zoom.us/j/7945843339?pwd=RTdzS3hzeVY3V3dZNXJvSnkxS2wrZz09			
Paper ID	Time	Paper Title	Authors
1570736331	11:30 - 11:45	Implementation of LTE in Mosul City: Problems and Solution	Mahmood Samir* , Saad Ayoob
1570744674	11:45 - 12:00	A Planar Multi-Antenna Design Supporting 3.4-4.2 GHz for 5G Smartphone Applications	Naser O. Parchin* , Haleh J. Basherlou, Yasir I. Al-Yasir, et al.
1570732199	12:00 - 12:15	A Survey on Physical Layer Security for FSO Communication Systems	Wafaa M. R. Shakir* , Ruwaida Abdulkareem
1570736471	12:15 - 12:30	Design of Class-E Power Amplifier (PA) with Minimum Harmonious Termination for Cellular Phones	Zahraa M. Y. Sead* , Khalid Khalel Mohammed
1570748345	12:30 - 12:45	New Trends in Location-Based Services Technology	Imran Ahmad* , Mohammed Bin-Melha, Mohammad Ngala, et al.
1570735694	12:45 - 13:00	Doppler Shift Effect with Non-Orthogonal Multiple Access Technology for 5G System	Roaa Ali* , Saad Ayoob

Day 2: Wednesday, 8 Sep. 2021

Session 2 (11:30 - 13:00)

D2S2: Control Systems and Applications [Hybrid Meeting]			
Session Chair: Prof. Ammar A. Aldair, Basrah University, Iraq Coordinator: Dr. Hayder Y. Yousif, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/4074497595?pwd=SWNSNWpLaHdOUHo0Y040UVRlcmoyZz09			
Paper ID	Time	Paper Title	Authors
1570719807	11:30 - 11:45	Speed Control of Permanent Magnet Synchronous Motor Using SVPWM Vector Control	Issa A. Abed*
1570720097	11:45 - 12:00	A PV Generation System Based on P&O MPPT Algorithm and SVPWM Inverter for Standalone Applications	Duha K. Khalf* , Kadhim H Hassan
1570720616	12:00 - 12:15	Three-Stage Charging of Lead Acid Batteries by Artificial Intelligence Fuzzy Logic Controller	Wadullah Hatem*
1570725188	12:15 - 12:30	Position Control of the Surface Motor Based on Artificial Neural Network	Abdulhasan F. Abdulhasan*
1570732642	12:30 - 12:45	Simulation of Indirect Field Oriented Control on 5-Phase Synchronous Reluctance Motor	Habeeb J. Nekad*
1570738252	12:45 - 13:00	Intelligent Controller Design of the Vehicle Sonar Tracking Checker Fault and Repair of High Voltage Transmission Line	Saja R. Alhalfi* , Abdullah Al Gizi



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Session 3 (11:30 - 13:00)

D2S3: Sustainable Mechanics and Applications [Hybrid Meeting]			
Session Chair: Prof. Saadoon F. Dakhil, STU, Iraq			
Coordinator: Dr. Zaineb M. Alhakeem, STU, Iraq			
Zoom Meeting: https://us02web.zoom.us/j/6811954338?pwd=MGdRYS9XUVlqYUI3NUovZEMwYTl1QT09			
Paper ID	Time	Paper Title	Authors
1570725107	11:30 - 11:45	Thermal enhancement for solar water heating system by using phase change materials	Tahseen Ali Jabbar*
1570725404	11:45 - 12:00	A Recent Update of Phase Change Materials (PCM's) in Cooling Application	Ali L. Tarish*, Ahmed Al-Mudhafar
1570741250	12:00 - 12:15	Numerical Study of Flow-Through the Perforations for Angle Perforation 180° and 90° in Horizontal Wellbore	Mohammed A. Mustafa*, Mohammed Abdulwahid, Qais A. Reshack
1570728462	12:15 - 12:30	Thermal Cooling Analysis of Single Li-Ion Battery Cell with Elliptic Perforated Heat Sink	Karim Egab*, Mushtaq T. Hamzah, Hayder M. Hasan, et al.
1570728713	12:30 - 12:45	Optimum Design Parameters with the Lowest Cost of Basra Refinery Kettle Reboiler	Husam Alsaemre*, Adnan A. Ateeq
1570735145	12:45 - 13:00	Experimental Study of the Wet Cooling Tower Using Different Packing Materials	Safaa Faisal*

Day 2: Wednesday, 8 Sep. 2021

Session 4 (11:30 - 13:00)

D2S4: Public Health and Environment [Hybrid Meeting]			
Session Chair: Prof. Mahmood S. Thamer, STU, Iraq			
Coordinator: Dr. Hayder M. Amer, STU, Iraq			
Zoom Meeting: https://us02web.zoom.us/j/6043333809?pwd=L25ST09YelpnaW1NN1pxNUZkZnd0QT09			
Paper ID	Time	Paper Title	Authors
1570736343	11:30 - 11:45	Assessment of Preventive Measures Among Health Care Workers Regarding Nosocomial Infections in Kut City Hospitals	Qasim Abbas *
1570738362	11:45 - 12:00	Risk Factors of Glycemic Control Among Children and Adolescents with Type 1 Diabetes in Basra City/Iraq	Shukur Mahmood *
1570738829	12:00 - 12:15	Isolation and Identification of Dermatophytosis and Fungal Factors Samples from Infected Patients in Basra-Iraq	Ahmed H. Dawood *
1570740385	12:15 - 12:30	Assessment of Physical and Chemical Hazards Among Health Care Workers in Wasit Governorate	Nassa Almayhi *
1570740428	12:30 - 12:45	Evolution the Correlation Between Severity of Cytomegalovirus Infection Among Aborted Women with Vitamin D and Oxidative Stress Biomarkers	Batool Abd AL-Kareem Hussein *
1570725342	12:45 - 13:00	Detection of Cryptosporidium Spp. in Animals'	Mahmood S. Thamer *



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Session 5 (11:30 - 13:00)

D2S5: Integrated Business Management and e-Technology [Virtual Meeting]			
Session Chair: Prof. Hashim Nayif, STU, Iraq Coordinator: Dr. Zaid A. Hussain, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/3936145913?pwd=dzBnV2hxdDBZeWxMR0swR3JNZNtTNTQ09			
Paper ID	Time	Paper Title	Authors
1570715453	11:30 - 11:45	An Integrated Approach to Improving Strategic Performance Management in Higher Education: University of Kufa is a Model from Developing Countries	Ahmed M Mohammed Ali* , Yasir Sahib Malik, Hassnain Ojah
1570726698	11:45 - 12:00	An International Comparison of Responses to the Covid-19 Pandemic by Universities and Schools	Fatima Nasser AlQaoud*
1570726522	12:00 - 12:15	Bankruptcy Prediction: Evidence-Based Experiences in the Banks	Khelood A. Mkakaf* , Sanaa Hilo
1570732391	12:15 - 12:30	Accounting Education and Its Role in Light of Contemporary Trends in the Accounting Profession - an Applied Study	Jenan A. Al Dulamy* , Ade Hamadi
1570734597	12:30 - 12:45	Box-Jenkins Modelling and Forecasting of WTI Crude Oil Price	Maitham Rodhan* , Adnan Jaaz
1570726685	12:45 - 13:00	Visual Materials and Their Impact on Students' Achievement During Virtual Learning	Baan J. Sadiq*

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Session 6 (14:45 - 16:15)

D2S6: Computer Engineering and Networking [Virtual Meeting]			
Session Chair: Prof. Walid A. Al-Hussaibi, STU, Iraq Coordinator: Dr. Hussein Fadhel, NTU, Iraq Zoom Meeting: https://us02web.zoom.us/j/7945843339?pwd=RTdzS3hzeVY3V3dXNXJvSnkxS2wrZz09			
Paper ID	Time	Paper Title	Authors
1570739968	14:45 - 15:00	NoSQL: Will it be an alternative to a relational database? MySQL vs MongoDB Comparison	Basit Alyasiri* , Bushra Sahi Chassab, Nassir AL-Khafaji
1570744194	15:00 - 15:15	The Impacts of Depth Camera and Multi-Sensors for Face and Fingerprint Recognition in 2D and 3D - A Case Study	Mohamed Abdul-Al* , George K. Kyeremeh, et al.
1570719333	15:15 - 15:30	Wi-Fi Positioning Utilizing Triangulation Strategies and AoA in Indoor Environments	Zahraa Abbas *
1570744252	15:30 - 15:45	Infrared Imagery and Border Control Systems	George Kumi Kyeremeh* , Raed A Abd-Alhameed
1570736152	15:45 - 16:00	Performance Analysis of Various SDN Controllers with Different Network Size in SDWN	Fidha Aslan *
1570744826	16:00 - 16:15	Deep Learning for Self-Driving Vehicles	Safa J. Al-Kamil* , Mohammed Al-Radhi



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Day 2: Wednesday, 8 Sep. 2021

Session 7 (14:45 - 16:15)

D2S7: Renewable Energy Systems [Hybrid Meeting]			
Session Chair: Dr. Alaa A. W. Alsaffar, STU, Iraq Coordinator: Dr. Hayder Y. Yousif, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/4074497595?pwd=SWNSNWpLaHdOUHo0Y040UVRlcmoyZz09			
Paper ID	Time	Paper Title	Authors
1570727444	14:45 - 15:00	Short Circuit and Stability Analysis of a Multi-Machine System with Wind Turbine Using the ETAP Program	Sara Ismail Abd-Al Huseen*
1570728569	15:00 - 15:15	Analysis of Load Flow and Transient Stability of 10-Bus Multi-Machine System with PV Penetration	Sarah Adnan*
1570732032	15:15 - 15:30	Enhancing Battery Recharge Performance Through an Intelligent MPPT for Photovoltaic Solar Panels	Naeib Hussein*
1570735255	15:30 - 15:45	A Literature Survey on Well-Known Algorithms of Optimum Power Flow	Baqer A. Allamey, Falah Jaber Kshash*, Warid Warid
1570736004	15:45 - 16:00	A New Version of Modified Camel Algorithm for Engineering Applications	Hussein M. Badr*
1570734565	16:00 - 16:15	Energy Management Optimization of Generators Using Modified Firefly Algorithm	Issa A. Abed*

Day 2: Wednesday, 8 Sep. 2021

Session 8 (14:45 - 16:15)

D2S8: Advanced Mechanics and Environment [Hybrid Meeting]			
Session Chair: Dr. Ehsan Abdul-Kareem, STU, Iraq Coordinator: Dr. Zaineb M. Alhakeem, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/6811954338?pwd=MGdRYS9XUVlqYUI3NUovZEMwYTl1QT09			
Paper ID	Time	Paper Title	Authors
1570735162	14:45 - 15:00	Characterization of Iraqi Crude Oil Using Aspen Hysys	Fatimah N. Azer*
1570736428	15:00 - 15:15	Computational Fluid Dynamic Analysis of the Flow Through T-Junction and Venturi Meter	Akeel M. Ali Morad*, Enas Taha, Mohammed Abdulwahid
1570736536	15:15 - 15:30	Synthesis and Study the Mechanical Properties for New Interpenetrating Polymer Network Based on HBPU/ECA	Firas J Jabbar*
1570737205	15:30 - 15:45	Numerical Analysis by Computational Fluid Dynamic Simulation of Fluid Flow in a T-Junction Pipe	Marwa Salman Luaibi*
1570737779	15:45 - 16:00	Energy Saving by Reinforcement Learning for Multi-Chillers of HVAC Systems	Lubna Hussein*
1570738309	16:00 - 16:15	The Impact of the Vane Angle on the Hydraulic Behavior Around the Cylinder	Tahseen Ali Jabbar*



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Day 2: Wednesday, 8 Sep. 2021

Session 9 (14:45 - 16:30)

D2S9: Environment, Pollution, and Health Concerns [Hybrid Meeting]			
Session Chair: Prof. Mahdi M. Thuwaini, STU, Iraq Coordinator: Mr. Ali A. Jawad, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/6043333809?pwd=L25ST09YelpnaW1NN1pxNUZkZndOQT09			
Paper ID	Time	Paper Title	Authors
1570728125	14:45 - 15:00	Screening of Extracellular Polymeric Substance Producing Bacteria Isolated from Environmental Sources and Testing their Ability to Seal Fractures Zones of Oil Reservoir Rocks	Asaad Hamzah *
1570725340	15:00 - 15:15	The Prevalence of Cryptosporidium in Rivers Water in Basra Province	Mahmood S Thamir *
1570741517	15:15 - 15:30	Determination of γ -Aminobutyric Acid (GABA) in Ziziphus Tuffahi Fruit & Earmotiun	Firas J. Jabbar *
1570743314	15:30 - 15:45	Evaluation of Some Biomarkers in the Diagnosis and Severity Identification of Patients with COVID-19	Mahdi M. Thuwaini *
1570743353	15:45 - 16:00	Investigating the Gene Expression Profiles of Immune Checkpoints in Breast Cancer Microenvironment and Peripheral Blood: Comparative Study	Khairallah Mohammed, Howraa Bakal* , Naael Ali
1570744547	16:00 - 16:15	Pediatric Germ Cell Tumors: Case Study Oncology Center of Basra Between 2004-2015	Nassir AL-Khafaji*
1570735669	16:15 - 16:30	Response of Apricot Trees to Ground Fertilization and Foliar Spraying	Faris Ali, Raad Mohammed Ali*

Day 2: Wednesday, 8 Sep. 2021

Session 10 (14:45 - 16:15)

D2S10: Topics in Computer Science and e-Technologies [Virtual Meeting]			
Session Chair: Dr. Issa A. Abed, STU, Iraq Coordinator: Dr. Qahtan M. Shalal, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/3936145913?pwd=dzBnV2hxdDBZeWxMR0swR3JNZNtQT09			
Paper ID	Time	Paper Title	Authors
1570734384	14:45 - 15:00	Design and Implementation of Control Cabinet Based Siemens S7-300 Programmable Logic Controller PLC	Basim Mohsin al-najari *
1570738557	15:00 - 15:15	The Effect of Electronic Collective Scientific Conversations on Developing Creative Thinking and the Ability of Discussion Among Technical University Students	Ithar AlMyahi *
1570740316	15:15 - 15:30	An Integrated GIS and Satellite Image-Based Model Using a Reduced Simple Ratio Index for Evaluating the Efficacy of the Hammar Marsh Restoration Plan	Mahmoud Al-Khafaji* , Imzahim A. Alwan, Bayda A. Dhaidan
1570744530	15:30 - 15:45	Crime Prediction Using Big Data Analysis	Ahmed T. AbdulAmeer*
1570748344	15:45 - 16:00	Radar Recognition Using Pulse Repetition Interval Technology	Imran Ahmad* , Raed A Abd-Alhameed, M. Bin-Melha, et al.
1570744577	16:00 - 16:15	Smart Energy Management of Wind/PV/Battery Renewable Energy Sources Based on IoT	Ahmed A. Ahmed* , Emad A. Mohammed, Ahmed Jadaan Ali



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Day 3: Thursday, 9 Sep. 2021

Session 1 (11:30 - 13:00)

D3S1: Topics in Electrical and Electronics Engineering [Virtual Meeting]			
Session Chair: Prof. Raed A Abd-Alhameed, Bradford University, Iraq Coordinator: Dr. Rana A. Zubo, NTU, Iraq Zoom Meeting: https://us02web.zoom.us/j/7945843339?pwd=RTdzS3hzeVY3V3dXNXJvSnkxS2wrZz09			
Paper ID	Time	Paper Title	Authors
1570748347	11:30 - 11:45	UWB Radar Technology	Imran Ahmad* , Abubakar Hussaini, Issa Elfergani, et al.
1570740328	11:45 - 12:00	Development of a Wireless Power Transfer System for Electric Vehicle Charging Using an E-Class Power Amplifier	Ali Hussain* , Sadik Kamel Gharghan, Rasha Majd
1570738488	12:00 - 12:15	Practical Performance Investigation of the Solar (PV) Panel System of the Electronic and Control Engineering Department - Kirkuk	Montassar A. Sharif* , Mahmoud Wahhab, Kaesar Khalaf
1570732372	12:15 - 12:30	A Review of Using Nanostructur Materials Zinc Oxide as an Anti-Reflection Crystalline Silicon Modules Solar Cells	Ali Kadhim *
1570741882	12:30 - 12:45	Performance Enhancement of Dicode Pulse Position Modulation System by Means of LDPC Code	Basman Al-Nedawe*
1570737200	12:45 - 13:00	Estimation the Parameters by Using Non-Bayesian in Modified Weibull Extension Distribution	Shaimaa B Yass* , Iden Al Kanani

Day 3: Thursday, 9 Sep. 2021

Session 2 (11:30 - 13:00)

D3S2: Topics in Engineering Technologies [Hybrid Meeting]			
Session Chair: Dr. Hayder A. Al-Kashoash, STU, Iraq Coordinator: Dr. Hayder Y. Yousif, STU, Iraq Zoom Meeting: https://us02web.zoom.us/j/4074497595?pwd=SWNSNWpLaHdOUH0Y040UVRIcmoyZz09			
Paper ID	Time	Paper Title	Authors
1570736807	11:30 - 11:45	Using Geographic Information System (GIS) as a Supporting Tool in Public Facilities Planning: A Case Study on the City of Nasiriyah	Ahmed S. Hasan* , Khaldoun Falih
1570737822	11:45 - 12:00	Solving Suggested Problems Using Grey Wolf Optimization	Isaa A. Abed*
1570738449	12:00 - 12:15	Building Geo-Database for Geotechnical Properties of Thi-Qar Governorate Area Using Modern Digital Techniques	Sophia R. Al-Timimy*
1570739825	12:15 - 12:30	Evaluating the Effect of Intent Factors on the Student's Intention to Register for External Exams via the Internet: Directorate of Education in Dhi-Qar as A Case Study	Nassir AL-Khafaji*
1570744571	12:30 - 12:45	Hierarchical Feature Mining for Image Classification and Segmentation	Hayder Y. Yousif* , Zahraa Al-Milaji
1570744795	12:45 - 13:00	Design A High Transmission FSS Structure for THz Applications	Muaad Hussein* , Haider Alrudainy



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Session 3 (11:30 - 13:00)

D3S3: Applications in Mechanical Engineering [Virtual Meeting]			
Session Chair: Dr. Mudhar A. Al-Obaidi, MTU, Iraq			
Coordinator: Dr. Zaineb M. Alhakeem, STU, Iraq			
Zoom Meeting: https://us02web.zoom.us/j/6811954338?pwd=MGdRYS9XUVlqYUI3NUovZEMwYTl1QT09			
Paper ID	Time	Paper Title	Authors
1570754351	11:30 - 11:45	Evaluation of Existing Bond-Slip Models for FRP-Steel Joints	Mohammed Altaee*, Akram Jawdhari
1570730503	11:45 - 12:00	The Effect of the Electrode Tool Material Type on the Surface Roughness and Tool Wear in EDM	Abbas Fadhil*
1570736528	12:00 - 12:15	Design and Analysis of New Compound Journal Bearing	Nadhim N. Nadhim*
1570740337	12:15 - 12:30	Effect of Imperfection Factors on Simulation of the Slender RC Columns Strengthened by SFR Using ABAQUS	Wameedh Braid*
1570707101	12:30 - 12:45	Sensitivity Analysis of Air-Intake Temperature on the Performance of a Gasoline Engine of Daewoo Prince (1800 Cc): Experimental Study	Hayder Mnati*, Asaad Almayyahi, Mudhar A. Rajib Al-Obaidi
1570741245	12:45 - 13:00	Dual-Layer Antifouling Membrane of Electrospun PAN: PMMA Nonwoven Nanofibers for Oily Wastewater Treatment	Sura M. Alkarbouly*, Basma I. Waisi

Day 3: Thursday, 9 Sep. 2021

Session 4 (11:30 - 13:00)

D3S4: Topics in Emerging Medical Applications [Virtual Meeting]			
Session Chair: Prof. Alaa K. Jasim, STU, Iraq			
Coordinator: Dr. Hayder M. Amer, STU, Iraq			
Zoom Meeting: https://us02web.zoom.us/j/6043333809?pwd=L25ST09YelpnaW1NN1pxNUZkZnd0QT09			
Paper ID	Time	Paper Title	Authors
1570727263	11:30 - 11:45	Effect of Parvovirus B19 in Diabetes Mellitus Type 1	Ahmed H. Mohammed*, Al zahraa Al Batool Ibrahim
1570728538	11:45 - 12:00	Effect of Ginger on Oxidative Stress Induced by Hydrogen Peroxide in Male Quail	Abdullah F. Abdul-Majeed*, Saeb Abdul-Rahman
1570738238	12:00 - 12:15	Investigation of Vertical Ground Reaction Force During Walking with the Exoskeleton for Patient with Unilateral Lower Limb Weakness	Niaam K. Al-Hayali*
1570739789	12:15 - 12:30	Diabetes Sensory Motor Classification Using Electromyogram Signal	Mahmoud I. Al-kadi*, Mahmoud I. Alkadi
1570743209	12:30 - 12:45	Clinical Significance of Some Tumor Biomarkers in the Diagnosis of Breast Cancer in Comparison with Histopathological Biopsy	Mahdi M. Thuwaini*
1570748339	12:45 - 13:00	Estimate Some Immunoglobulin's and Complement Cascade in Pregnant Women Suffering from Urinary Tract Infection	Fidan Ahmed*



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Session 5 (11:30 - 13:00)

D3S5: Sustainable Civil Engineering [Virtual Meeting]			
Session Chair: Dr. Abdulameer K. Hasan, STU, Iraq			
Coordinator: Dr. Zaid A. Hussain, STU, Iraq			
Zoom Meeting: https://us02web.zoom.us/j/3936145913?pwd=dzBnV2hxdDBZeWxMR0swR3JNZNtQT09			
Paper ID	Time	Paper Title	Authors
1570736412	11:30 - 11:45	Seismic Performance Assessment and Upgrading of Al-Karamah Teaching Hospital Building Under 2017 Halabjah Earthquake	Haider Ali Abass*
1570736963	11:45 - 12:00	Seismic Analysis of the Steel Frame with Rubber-Sleeved Bolt in the Column-Base Connections	Teeba Ali Jassim*
1570738109	12:00 - 12:15	Evaluation of the Iraqi Road Safety System in Light of Crash Severity Indicators During the Period (2006-2019)	Ali A. Aldhalemi*, Fadhil Abidi
1570739778	12:15 - 12:30	Flexural Behavior of Recycled Demolition Waste Reinforced Concrete Beams	Hasan J. Mohammed*, Husham Rashid
1570744676	12:30 - 12:45	Using Treated Recycled Demolition Aggregate in Concrete	Hasan J. Mohammed*, Safana Ragab
1570754678	12:45 - 13:00	Application of Drucker-Prager Plasticity Model for Concrete Confined with Fiber Reinforced Cementitious Mortar (FRCM)	Akram Jawdhari*, Mohammed Altaee

Day 3: Thursday, 9 Sep. 2021

Session 6 (14:45 - 15:45)

D3S6: Topics in Power Control [Virtual Meeting]			
Session Chair: Dr. Kazhim H. Hasan, STU, Iraq			
Coordinator: Dr. Hussein Fadhel, NTU, Iraq			
Zoom Meeting: https://us02web.zoom.us/j/7945843339?pwd=RTdzS3hzeVY3V3dZNXJvSnkxS2wrZz09			
Paper ID	Time	Paper Title	Authors
1570735827	14:45 - 15:00	Comparison and Assessment of Two Load Flow Methods for Optimum Under Voltage Load Shedding in Distribution Power System	Waleed Khalid*, Ali Hussain
1570739174	15:00 - 15:15	Particle Swarm Optimization for Maximum Power Point Tracking Under Varying Atmospheric Conditions	Ali Hussain*, Alaa Talib
1570744253	15:15 - 15:30	Simulation and Implementation High DC-DC Converter with 1-Phase Inverter Feeding Load from a Single Photovoltaic Panel	Khalid Badr Yas*
1570744544	15:30 - 15:45	Dynamic Voltage Restorer Using (PQ) Theory with LabView	Ibrahim Furat*



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Day 3: Thursday, 9 Sep. 2021

Session 7 (14:45 - 15:45)

D3S7: Topics in System Engineering [Virtual Meeting]			
Session Chair: Prof. Basil H. Jasim, Basrah University, Iraq			
Coordinator: Dr. Hayder Y. Yousif, STU, Iraq			
Zoom Meeting: https://us02web.zoom.us/j/4074497595?pwd=SWNSNWpLaHdOUHo0Y040UVRlcmoyZz09			
Paper ID	Time	Paper Title	Authors
1570744578	14:45 - 15:00	Shunt Active Power Filter Implementation Using PQ Theory with LabView	Faisal Aiwa *
1570744628	15:00 - 15:15	Design and Simulation of Hybrid Renewable Energy System for On-Grid Applications	Ali S. Alhafidh*, Rakan K. Antar, Ahmed J. Ali
1570757588	15:15 - 15:30	Optimal Operation of Energy Hub with High Penetration of Renewable Energy Sources	Batrick Onen*, Geev Mokryani, Rana A. Zubo
1570734524	15:30 - 15:45	A Survey on Monitoring Water Quality by Aid of IoT	Ali H. Abdulwahid, Muwaffaq Jameel Salih*

Zoom Meeting Information

Meeting/Session	Zoom Details
Opining, Keynotes, and Closing	Meeting ID: 514 714 6028 Passcode: P40SGa Link: https://us02web.zoom.us/j/5147146028?pwd=RG9PSHhDWlg0RFN0ckxVUkZTbHFqQT09
Session 1 Session 6	Meeting ID: 794 584 3339 Passcode: 014186 Link: https://us02web.zoom.us/j/7945843339?pwd=RTdzS3hzeVY3V3dZNXJvSnkxS2wrZz09
Session 2 Session 7	Meeting ID: 407 449 7595 Passcode: 5kWGaP Link: https://us02web.zoom.us/j/4074497595?pwd=SWNSNWpLaHdOUHo0Y040UVRlcmoyZz09
Session 3 Session 8	Meeting ID: 681 195 4338 Passcode: 853796 Link: https://us02web.zoom.us/j/6811954338?pwd=MGdRYS9XUVlqYUI3NUovZEMwYTl1QT09
Session 4 Session 9	Meeting ID: 604 333 3809 Passcode: Z7L732 Link: https://us02web.zoom.us/j/6043333809?pwd=L25ST09YelpnaW1NN1pxNUZkZndOQT09
Session 5 Session 10	Meeting ID: 393 614 5913 Passcode: 005941 Link: https://us02web.zoom.us/j/3936145913?pwd=dzBnV2hxdDBZeWxMR0swR3JNZNtQT09