



List of Abstracts accepted for oral Presentation
(Engineering and Technology Section)

ID	Author(s)	Paper Title
E&T-101	Hafiz Abdul Mannan, Hilmi Mukhtar, Muhammad Latif, Sohaib Ahmad, Ihtisham Ul Haq, Atif Islam	Effect of Unmodified and Modified Silica Particles on Morphology and Performance of Mixed Matrix Membranes
E&T-102	Muhammad Ammar, Muhammad Waqas, Yan Cao, Ligu Wang, Huiquan Li	Synthesis and characterization of Co ₃ O ₄ /ZSM-5 as catalyst for thermal decomposition of hexamethylene-1,6-dicarbamate to hexamethylene-1,6-diisocyanate
E&T-103	Nasir Khan, Allah Bakhsh, Qazi Adnan Ahmad, Rooh Ullah, Javid Hussain, Zeeshan Khan	Comparison of ultrasonic waves and hydrogen peroxide for the degradation of Partially Hydrolyzed Polyacrylamide solution
E&T-104	Nadeem Iqbal, Rashda Qazi, Danial Raza	How Environmental Regulations Impact Energy Production in Chinese Energy-Intensive Industries at Provincial Level Study
E&T-105	Arif Javaid, Awais Ali, Muhammad Ammar, Muhammad Zafar, and Muddassir Ali	ZnO/SnO ₂ as an enhanced electrode material for asymmetric hybrid super capacitor devices
E&T-106	Faiz-ul-Hassan, Maham Hussain, Waqas Aleem, Sadiq Hussain, Um-e-habiba	Parametric study of the desulphurization of lowgrade coal in circulating fluidized bed combustor
E&T-107	Um-e-habiba, Maham Hussain, Waqas Aleem, Shaista javed, Sadiq Hussain	Investigation of Reaction Kinetics of Municipal Wastewater in Batch Reactor using aerobic technique
E&T-108	Muzaffar Riaz, Maham Hussain, Waqas Aleem, Sadiq Hussain, Um-e-habiba	Parametric Study Of Gasification of Coal-Biomass Blends In Circulating Fluidized Bed Combustor (C.F.B.C.)
E&T-109	Muhammad Ashraf , Rafi Ullah Khan, Naveed Ramzan, Abdullah Khan Durrania	Physicochemical characterization, kinetic and thermodynamic analysis of dried cattle manure for pyrolysis and combustion processes.
E&T-110	Hidayatullah Mahar, Suhail Ahmed Soomro, Abdul Rehman Memon, Stuart Holmes	Characterization of Nagarparkar (Pakistani) Kaolin and Synthesis of Indigenous Zeolite
E&T-111	Naeem Akhtar Qaisrani, Fengxiang Zhang	The affect of different cross-linker in the preparation anion exchange membrane
E&T-112	Waseem Abbas	Arsenic Removal Polyacronitrile Fiber (PAN)
E&T-113	Muhammad Maarij	Design and Development of Four-Bar Dynamics Testing Machine
E&T-114	Asad Mohi ud Din, Hafiz Miqdad Masood, Najaf Ali	A Review on Development of Li-Ion Batteries Materials, Progress and Future Challenges.



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E&T-115	Samina Jamil, Mubashir Shah, Ali Hamza Waris, M Usman Malik, Hamza Sabir, Hazique Malik, Muhammad Hamza, Umer Farooq	Design and Fabrication of Bio-Hybrid Electric Vehicle
E&T-116	Hamza Saleem- Ahmad Jamil - Syed Irtiza Ali Shah - Junaid Ayaz Kiani	Arterial Flow Control System for Kidneys
E&T-117	Amna Sarfraz, Syed Irtiza Ali Shah, Muhammad Talha Shaheer, Ahmad Jamil	Voltage control systems for MOEMS
E&T-118	Obaid Ur Rehman Abid, Syed Irtiza Ali Shah, Adeel Ahmad Talha, Ahmad Jamil	Automatic flow control system for mixing cistern of a painting plant
E&T-119	Kashif Mushtaq, Syed Irtiza Ali Shah, Umair Munir, Ahmad Jamil	Automatic pharmaceutical drug level concentration control in humans
E&T-120	Muhammad Ahmed Khan, Syed Irtiza Ali Shah, Mehmood Ul Hassan, Ahmad Jamil	Automatic control system for solar panels pivoting to maximize captured energy
E&T-121	Mustabin Intsam Afzal, Syed Irtiza Ali Shah, Mughees Ahmed, Ahmad Jamil	Automatic temperature sensitive fluid flow control for a parabolic trough collector
E&T-122	Usama Najam Butt, Syed Irtiza Ali Shah, Moazam Ameer, Ahmad Jamil	Control system for tumor growth using Gompertz Model
E&T-123	Adeel Ahmed Abro, Syed Irtiza Ali Shah, Muhammad Asad, Waleed Hamza, Ahmad Jamil	Cruise control of Toyota Prius
E&T-124	Moin Ud Deen, Syed Irtiza Ali Shah, Ahmed Naeem, Ahmad Jamil	Depth holding autopilot for Submarine
E&T-125	Haseeb Sajid	Fluid filled catheter pressure based control system for cardiovascular applications
E&T-126	Muhammad Fazeel, Syed Irtiza Ali Shah, Fahad Shamim, Ahmad Jamil	Functional Neuroprostheses system for neuron disorder patients
E&T-127	Saad Ahmed , Syed Irtiza Ali Shah	Robotic Manipulator Control System
E&T-128	Arif Javaid	ZnO/SnO ₂ as an enhanced electrode material for asymmetric hybrid supercapacitor devices
E&T-129	Mr. Saeed Ullah, Dr. Arshad Hussain	Subthreshold Amplifier Design Topologies for Delta-Sigma Modulator
E&T-130	Mr. Ghayur Asad Fakhri, Dr. Arshad Hussain	A High-Resolution Pipelined ADC Design for Wideband Applications



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E&T-131	Mr. Zahid Naveed, Dr. Naeem Bhatti, Dr. Arshad Hussain	Low-Power 10-Bit SAR ADC Design for Image Sensor Applications
E&T-132	Tahir Alyas, Nadia Tabassum, Raheel Iqbal	Development of access control models using fuzzy expert system in cloud computing
E&T-133	Muhammad Abrar Ashraf, Nadia Tabassum, Tahir Alyas	Role of Agile Methodologies and impact on Software Development Process
E&T-134	Ameer Hussain	Analysis of Dielectric Relaxation in Mn/Cr co-doped ZnO Nanoparticles for Energy Storage Applications
E&T-135	Musharaf Raza, Arshad Hussain	A 164 μ W, 10-bit SAR ADC for Biomedical Applications at 1-V
E&T-136	Mughees Ahmed, Aqib Khan, Muhammad Umar Farooq, Mafaz Ahmad	Smart Automatic power factor corrector (APFC) using Microcontroller and static capacitor banks with complete load monitoring
E&T-137	Engineer Akram Rashid	Smart Energy Generation Systems
E&T-138	Muhammad Azeem, Dr. Shazia Saqib, Farrukh Sadiq, Ayesha Nasir	A Unified Framework for Encryption and Decryption of Images Based on Autoencoder
E&T-139	Muhammad Rafi Faisal, Kabisha Anwar and Dr Jameel Ahmed Khan	Locomotive Gaits for Rough-Terrain WhegRoach Robot
E&T-140	Mahnoor Shahzadi, Sheraz Ahmad	Optical sensor technology for Power systems: A comprehensive review
E&T-141	Muhammad Shahid	Design of S-Box Using Elliptic Curve Over Prime Field
E&T-142	Usman habib	CAD/CAM And New Design Technologies In High Energy Physics Electronics Applications
E&T-143	Hassaan Malik	Supervised Learning based Classification of Cardiovascular Diseases
E&T-144	Hassaan Malik , Adnan Ahmad, Mui-zzud-din, Ahmad Naeem	Artificial Intelligence based Classification of Diabetes Mellitus : A Systematic Study
E&T-145	Muhammad Sheeraz	Advancing Computational Advertising: Conceptualization of the Field and Future Directions
E&T-146	Syed Muhammad Ali Imran, Hamza Zahid	Phenomenological working of Holographic Technology: A Comprehensive Study
E&T-147	Maham Hussain, Waqas Aleem, Sadiq Hussain, Um-e-habiba, Mujtaba Ashraf	Experimental studies of mass transfer coefficient for a pilot scale wetted wall absorption column
E&T-148	Mian Umer Shafiq, Khizer Abid	Investigation of the Efficiency of CO ₂ Foam Flooding to Enhance Oil Recovery in Sandstone Reservoir with Strong Aquifer Drive
E&T-149	Taimoor Hassan, Zaka Ullah	Ransomware Malware: Attacks & Preventions



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E&T-150	Junaid Ahmad, Adnan Akhtar, Zaheer Aslam, Malik Shoaib Suleman	Treatment of Industrial Wastewater by Electro-assisted Coagulation: Evaluation of Control Variables and Process Optimization
E&T-151	Noor- ul-Amin, Dr. Arshad Hussain	10-Bit 50MS/s SAR ADC Design for Wide band Applications
E&T-152	Mansoor Shafiq Durrani, Waqas Aleem, Sheraz Ahmad	Wastewater Treatment by Adsorption with Electrochemical Regeneration using Reactive Brown 9 as Adsorbate.
E&T-153	Zunaira Waseer	Heuristic Rule based Energy management scheme using PV
E&T-154	Sheraz Ahmad, Mahnoor Shahzadi, Mansoor Shafiq Durrani	Natural Gas hydrate an unconventional reliable source of energy and CCS potential site in Pakistan: A comprehensive review.