

8th Annual KFUPM Students Scientific Forum

College of Sciences

Wednesday 4th October, 2017

Time Slot 9:00 AM to 11:45 AM

CS

Location 60-101

Chemistry

1	201207120	M A A Rana G	Electrochemically activated graphite pencil electrodes for trace sensing of environmental pollutants	9:00 – 9:15 AM
2	200602100	M. Al Haffar G	Synthesis of Bio-Inspired Advanced Polymeric Materials	9:15 – 9:30 AM
3	201309650	Ibrahim Khan G	Sonochemical Assisted In-situ Electrochemical Synthesis of Ag/a Fe ₂ O ₃ /TiO ₂ Nanotube-Arrays for Photoelectrochemical energy harnessing from	9:30 – 9:45 AM
4	201207140	Nadeem Baig G	Graphene based disposable cost effective sensors for sensing of biomarkers	9:45 – 10:00 AM
5	2007 81810	Hasan Al Mohsin G	Design of Metal-Organic Frameworks for Photochemical [2+2] Cycloaddition Reaction in the Solid-State	10:-00 – 10:15 AM
6	201232900	Hassan AlQadheeb UG	Synthesis and Characterization of New bisoxazoline complexes Cu(II) and Pt(II) Complexes	10:15 – 10:30 AM
7	201239760	Mr. Ahmed G. Alghizzi UG	Study of Filler Effect of Asphaltene in High Density Polyethylene (HDPE)	10:30 – 10:45 AM

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Location 60-101

Physics

#	Student ID #	Student name	Paper Title	Time
1	200902690	QAHTAN, TALAL FARHAN AHMED G	A Janus membrane for a single operation of oil-water separation and in-situ decontamination of water	11:00 – 11:15 AM
2	201406940	ALTANANY, SAMEH M. A. G	Propagation of TE-electromagnetic waves through a multilayered structure containing diamond-like carbon, porous silicon	11:15 – 11:30 AM

Mathematics

#	Student ID #	Student name	Paper Title	Time
1	201310370	AUDU, JOHNSON DADDY G	Two level mixed Finite element Method for Darcy-Forchheimer Equation	11:30 – 11:45 AM

8th Annual KFUPM Students Scientific Forum

College of Engineering Sciences

Wednesday 4th October, 2017 Time Slot 9:00 AM to 10:45 AM

Location 60-102

Electrical Engineering (1)

#	Student ID #	Student name	Paper Title	Time
1	201080820 G	MUQBEL, AMMAR MOHAMMED ALI	Optimal Demand Response Bidding and Pricing Mechanism with Fuzzy Optimization: Application for a Virtual Power Plant	9:00 – 9:15 AM
2	201304010 G	ALTAMIMI, OMAR AHMED	Modeling, Simulation, and Measurement of Energy Consumption Comparison for VFD and ON/OFF HVAC Systems in Residential Area	9:15 – 9:30 AM
3	201306510 G	SAAD, MOHAMED MAMDOUH	Multi-objective Fuzzy Decision Based Predictive Torque Control of Induction Motor Drive	9:30 – 9:45 AM
4	201307470 G	MAHMOUD, AHMED MOHAMED	Incentive-Based Game Theoretic Approach for Wind Power Balancing Using Electric Vehicles	9:45 – 10:00 AM
5	201403980 G	IRSHAD, USAMA BIN	Reliability Evaluation of Composite Power Systems Considering Impact of Electric Vehicles and Plug-in Hybrid Electric Vehicles	10:-00 – 10:15 AM
6	201408140 G	AHMED, ADIL	Multi-step-ahead Renewable Power Forecasting Models using an Artificial Intelligence Technique	10:15 – 10:30 AM
7	201409740 G	ABDUL-RASHID, RAMADAN	An Effective Scheme for Time Synchronization in Connected Wireless Sensor Networks	10:30 – 10:45 AM

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College of Engineering Sciences

Wednesday 4th October, 2017 Time Slot 1:00 PM to 2:00 PM

Location 60-102

Electrical Engineering (2)

#	Student ID #	Student name	Paper Title	Time
1	201251460 UG	ALJOHANI, ABDULAZIZ KHALID AHMAD ALSAIDLANI	Smart fault detection and classification in distribution grids	1:00 – 1:15 PM
2	201264820 UG	ABU ALI, MOHAMMAD HATIM TAWFIQ	Experimental Determination of a DC Servo-Motor State Space Model: An Undergraduate Experiment.	1:15 – 1:30 PM
3	201375790 UG	AL ASMAR, AHMED NABIL NAEEM	" Management of Residential Responsive Demands"	1:30 – 1:45 PM
4	201376270 UG	AL KHAZRAGI, OMAR ABDULSHAFI MAWAD MOUSTAFA	Sparse Direction of Arrival Estimation Using Sparse Arrays based on Software-Defined-Radio Platform	1:45 – 2:00 PM

8th Annual KFUPM Students Scientific Forum

College of Engineering Sciences

Wednesday 4th October, 2017

Time Slot 9:00 AM to 11:00 AM

Location 60-103

Mechanical Engineering (1)

#	Student ID #	Student name	Paper Title	Time
1	201264040 G	ABDEL RAHMAN, AHMED ALI MAHMOUD	Boosting Gas Turbine Combined Cycles in Hot Regions Using Different Inlet Air Cooling Technologies Including Solar Energy	9:00 – 9:15 AM
2	201337290 UG	ALHAMED, KHALED HAMED MOHAMMED Advisor dr. sahin	Analytical Solutions to Freezing Problems in Planar, Cylindrical and Spherical Symmetries Using the Multi-Phase Theory of Constant HeatFlux Ratio.	9:15 – 9:30 AM
3	201193450 G	HUSSEIN, MOHAMED MOAWAD SOLIMAN ALI	Effect of Temperature Dependent Thermal Properties on the Fin Performance under dehumidifying operating conditions	9:30 – 9:45 AM
4	201403880 G	ABUBAKAR, ZUBAIRU	Characteristics of air-oxidized, and oxy-fuel Combustion of Propane in a swirl-stabilized Combustor.	9:45 – 10:00 AM
5	199702860 G	ALOMARI, AHMED SALEH AWADH ALHASEN	Enhanced Fiberglass Pipe Designs for High-Pressure Applications: Experimental and Computational Approach	10:-00 – 10:15 AM
6	201410060 G	AHMED, BILAL ANJUM	Effect of nano-size oxi-nitride starting precursors on spark plasma sintering of calcium sialons along the alpha-beta phase boundary	10:15 – 10:30 AM
7	201406440 G	SHAKEEL, MOHAMMAD RAGHIB	Solar Chimney	10:30 – 10:45 AM
8	201531790 G	SOLIMAN, AHMED SAMIR	“Studying Mixed Convection of Nanofluid flows in a Square Lid-Driven Cavity with Different approaches”	10:45 – 11:00 AM

8th Annual KFUPM Students Scientific Forum

College of Engineering Sciences

Wednesday 4th October, 2017 Time Slot 1:00 PM to 3:00 PM

Location 60-103

Mechanical Engineering (2)

#	Student ID #	Student name	Paper Title	Time
1	201309470 G	OGUNLAKIN, NASIRUDEEN OLALEKAN	Development of Magnesium based composite via Spark Plasma Sintering	1:00 – 1:15 PM
2	201201740 G	DAHIRU UMAR LAWAL	Humidification-dehumidification desalination system using heat pump as source of heat	1:15 – 1:30 PM
3	201002540 G	SIDDIQUI, OSMAN KALEEM	Non-axisymmetric flow in shell and tube heat exchangers subjected to manifold heating	1:30 – 1:45 PM
4	201264380 UG	ABURUB, ABDELRAHMAN JAMAL MAHMOUD	Humidification Dehumidification Desalination	1:45 – 2:00 PM
5	201402780 G	MAHMOUD, MOHAMED ALI	Performance evaluation of desiccant-heated closed-air HDH system	2:00 – 2:15 PM
6	201535730 G	ABDELAAL, AHMED FOUAD ABDELBADIE	Enhanced wet graphene transfer by controlling the hydrophobicity of SiO ₂ /Si substrate	2:15 – 2:30 PM
7	201531790 G	SOLIMAN, AHMED SAMIR	"Solution of wave equation under different conditions"	2:30 – 2:45 PM
8	201154570 UG	ALHAJJI AHMED, NAHAR HUSSAIN YOUSEF	Design and fabrication of a Liquid-based X-ray source	2:45 – 3:00 PM
9	201264040 UG	ABDEL RAHMAN, AHMED ALI MAHMOUD	Boosting Gas Turbine Combined Cycles in Hot Regions Using Different Inlet Air Cooling Technologies Including Solar Energy	3:00 – 3:15 PM

8th Annual KFUPM Students Scientific Forum

College of Engineering Sciences

Wednesday 4th October, 2017 Time Slot 9:00 AM to 11:45 AM

Location 60-104

Aerospace Engineering

#	Student ID #	Student name	Paper Title	Time
1	201074240 G	MUQEETH, MOHAMMED ABDUL	Asymmetric Attitude Flight Envelope for Reduced F-16 Aerodynamic Model	9:00 – 9:15 AM
2	201230940 UG	HARTHI, HESHAM YAHIA HAIDAR HAMD	Hover chair	9:15 – 9:30 AM
3	201407860 G	MIR, HAMZA AHMED	AEROELASTIC MODELS For ACTIVELY CONTROLLED SMART WIND TURBINE BLADES	9:30 – 9:45 AM

Chemical Engineering

#	Student ID #	Student name	Paper Title	Time
1	201004180 G	AMIR MERGHANI	Revamping and Thermodynamics Analysis of the Heat Exchanger Network in Propane Dehydrogenation Plant	10:-00 – 10:15 AM
2	201326150 UG	Mohammed Al-Jaziri	We Must Make Biodegradable Plastics	10:15 – 10:30 AM
3	201408780 G	HAFIZ MUDASER AHMAD	Formulation of drilling fluid: Effect of high molecular polymers and nano-particles	10:30 – 10:45 AM
4	201236420, 201223100 UG	Mahdi Alrashed, Abdullah Showaikh	Removal of Heavy Metals from Industrial Wastewater	10:45 – 11:00 AM

Civil Engineering

#	Student ID #	Student name	Paper Title	Time
1	201227500 201242620 UG	BANTAN, JAMEL SOROORI Al-SHAHEEN, SALEH	Sustainable and Cost- Effective Modification of Arabian Asphalt Utilizing Waste Plastics	11:15 – 11:30 PM
2	201403300 G	MOHAMMED DAUDA	Utilization of Municipal Sludge in Adsorption of Contaminants in Saudi Arabia	11:30 – 11:45 PM

8th Annual KFUPM Students Scientific Forum

College of Computer Science and Engineering, CCSE

Wednesday 4th October, 2017

Time Slot 9:00 AM to 10:30 AM

Location 60-105

Computer engineering Department

1	g201002600 G	Hamza Luqman	Transform-based Arabic sign language recognition	9:00 – 9:15 AM
2	g201205560 G	Anas Abu Dagga	Taxonomy and Practical Evaluation of Primality Testing Algorithms using Java and Python programming Languages	9:15 – 9:30 AM
3	g201310310 G	Mohammed Samara	Sonification of Color Information for Blind People	9:30 – 9:45 AM
4	g201536490 G	Abdul Rahman Abu ElKhail	OPTIMAL CLUSTERING FOR BLUETOOTHNETWORKING	9:45 – 10:00 AM

System Engineering Department

1	g201193630 G	Yousuf Abu Askar	Analysis of Room Air Conditioner Manufacturing Processes: A Discrete-Event Simulation Approach	10:15 – 10:30 AM
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8th Annual KFUPM Students Scientific Forum

College of Industrial Management

Wednesday 4th October, 2017 Time Slot 9:00 AM to 10:15 AM

Location 60-106

#	Student ID #	Student name	Paper Title	Time
1	s201153150 UG	Muaz Esam Kawther	Analysis of Projects at E&Y	9:00 – 9:15 AM
2	s201129490 UG	Khalid Abdullah Enaizan	Discussion of the Accounting Treatment of Fixed Assets under SOCPA and IFRS, and Challenges ahead	9:15 – 9:30 AM
3	g201003840 G	Mohammad B. Jalaly	Critical Factors in Electronic Marketing in Saudi Arabia	9:30 – 9:45 AM
4	g201406160 G	Taha Nasir	Measuring Customer Satisfaction of the Local Fast Food Industry in Saudi Arabia	9:45 – 10:00 AM
5	g201406161 G	Taha Nasir	How does the quality and quantity of information affect decision making effectiveness?	10:-00 – 10:15 AM

8th Annual KFUPM Students Scientific Forum

College of Environmental Design

Wednesday 4th October, 2017 Time Slot 10:30 AM to 11:00 AM

Location 60-106

CRP

#	Student ID #	Student name	Paper Title	Time
1	s201242560 UG	Abdulkarim Turkistani	Enhancing Campus Livability through Vegetation Assessment	10:30 – 10:45 AM
2	s201264020 UG	Islam M. Rihan	The Design of an Energy-Efficient HVAC System for a Multifunctional Building in South America	10:45 – 11:00 AM

8th Annual KFUPM Students Scientific Forum

College of Petroleum and Geosciences (CPG)

Wednesday 4th October, 2017 Time Slot 1:00 PM to 2:30 PM

Location 60-106

Geology

#	Student ID #	Student name	Paper Title	Time
1	201202180 G	MOHAMMED, AMMAR JUMA ABDLMUTALIB	Evidence for Central Arabian Graben System from Wadi Nisah area, Central Saudi Arabia: Integration of aerial maps and field observations	1:00 – 1:15 PM
2	201205780 G	SALIH, MOAZ ABDALTAWAB MOHAMMEDALI	Carbonate Diagenesis and its relation to Sequence Stratigraphy: Case Study from Miocene Dam Formation, Eastern Saudi Arabia	1:15 – 1:30 PM
3	201402320 G	PRAMUDYA RINENGGA DATU PERDANA	FIRST DISCOVERY OF THE EARLY SILURIAN FORAMINIFERA IN THE MIDDLE EAST AND THEIR IMPLICATION TO PALEOENVIRONMENT	1:30 – 1:45 PM
4	201506210 G	PRASETYO, ARYA PRADIPTA	Estimating Rate of Groundwater Depletion in Eastern Province of Saudi Arabia using Gravity Recovery and Climate Experiment (GRACE)	1:45 - 2:00 PM
5	201410100 G	AL-ZOUKANI, AHMED MOHAMMED	Diagenetic processes in the carbonate lower-middle Rus formation	2:00 – 2:15 PM
6	201304210 G	ALQUBALEE, ABDULLAH MOHAMMED SALEH	Geochemical Characterization of the Late Ordovician Glaciogenic Deposits, Saudi Arabia	2:15 – 2:30 PM

PETE

#	Student ID #	Student name	Paper Title	Time
1	201265340 UG	ABDALLAH, MUHAMMAD SAID	Common Misinterpretations of Gas Condensate Reservoirs	2:30 – 2:45 PM

