



Conference Program

SATURDAY (OCTOBER, 1ST 2011)	
10.00-11.00	Conference opening ceremony
11.00-13.00	Session I - Computer and Telecommunication Engineering (6 presentations 20min/each), chaired by Dr. Alaa Al Ani
13.00-14.00	Lunch Break
14.00-16.00	Session II - Architecture, Civil and Infrastructure Engineering (6 presentations 20min/each), chaired by Prof. Hassan Al Nagiem
16.00-16.30	Coffee Break
16.30-17.30	Work shop I (Computer and telecommunication Engineering), chaired by Dr. Alaa Al Ani Work shop II (Architecture, Civil and infrastructure Engineering), chaired by Prof. Hassan Al Nagiem

SUNDAY (OCTOBER, 2ND 2011)	
10.00-12.00	Session III - Power and Water Energy Engineering (6 presentations 20min/each) chaired by Prof. Adel Sharif
12.00-12.30	Coffee Break
12.30-14.30	Session IV - Mechanical and Manufacture Engineering (6 presentations 20min/each) chaired by Prof. Hazim Awbi
14.30-15.30	Lunch Break
15.30-16.30	Work shop III (Power and Water Energy Engineering), chaired by Prof. Adel Sharif Work shop IV (Mechanical and Manufacture Engineering), chaired by Prof. Hazim Awbi
16.30-18.00	Awards and closing ceremony



The Researches

1- Computer and Telecommunication Engineering / Saturday 1st October from 11.00 to 13.00 (20min/each) (15 min Presentation+ 5 min Discussions) as listed below

seq	Name of Researher	Title of the Research
1	Nizar Saadi DAHIR	Communication Centric On-Chip Power Grid Models for Networks-On-Chip
2	Faten Adel Ismael Chaqmaqche	GainNAs-based Hellish-vertical cavity semiconductor optical amplifier for 1.3 μm operation
3	Raaed Abdulsahib Ali AL-DUJAILY	Networks-on-Chip Monitoring Infrastructure: A Supervisory and Control Services
4	Shavan Kamal Askar	Adaptive Edge Node to Support QoS in OBS Networks
5	Ammar Ebdelmelik ABDELKAREEM	Application of ADSP-21364 SHARC Digital Signal Processor for real time implementation of Underwater Acoustic Communication system with BICM-ID and DFE equalizer : An experimantal results
6	Ali Hussian Ali	Classification of Individual finger Movements for Myoelectric Control of Dexterous Prosthetic Hand

2- Architecture, Civil and Infrastructure Engineering / Saturday 1st October from 14.00 to 16.00 (20min/each) (15 min Presentation+ 5 min Discussions) as listed below

seq	Name of Researher	Title of the Research
1	Asad Hafudh Humaish	Small – scale modelling of reinforced concrete piles
2	Ali Abdulhussein Jawad AL-GHALIB	Experimental Modal Analysis as Indispensable Assessment Tool for Civil Engineering Structures
3	Shakir Falih Al-Busaltan	A NEW NOVEL PAVEMENT ENGINEERING TECHNOLOGY –PATENT APPLICATION CONFIRMED
4	Adnan Flayih Hassan AL-SIBAHY	Thermo-mechanical behaviour of a new combination of lightweight aggregate concrete mixtures
5	Haitham Ali Bady Al-Thairy	A Numerical Study of the Behaviour and Failure Modes of Axially
6	Ahmed Salim MOHAMMED	Walking Excitation of Floors Housing Vibration Sensitive Equipment



3- Power and Water Energy Engineering / Sunday 2nd October from 10.00 to 12.00 (20min/each) (15 min Presentation+ 5 min Discussions) as listed below:

seq	Name of Researcher	Title of the Research
1	Sami Al-aibi	The Reliability Study of Solute Exchange Technique (SET) by (Adsorption of Glucose onto Granular Activated Carbon (GAC
2	Mohammed Hamza Abdulsada	Effect of Swirl Number and Fuel Type upon the Combustion Limits in the Gas Turbine Swirl Combustors
3	Hameed Balassim Mahood AL-MUHAMMEDAWI	Evaporating Volatile Liquid Drop in an Immiscible Liquid media : Analytical model for Bubble Growth Rate and Convective Heat Transfer Coefficient
4	Muhammad Ali Theyab Alageeli	Multiphase Flow and Pressure Drop Modelling in the Oil Well Tubing
5	Amer Naji Ahmed AHMED	Zeta potential and surface charge density of ceramic TiO ₂ Nanofiltrationmembrane
6	Abdulwahid Abdulhasan Kadhem Al-Hajjaj	Titanate nanotubes decorated with nanostructured Cd ₃ [Fe(CN) ₆] ₂ : A novel composite for physisorption of hydrogen

4- Mechanical and Manufacture Engineering / Sunday 2nd October from 12.30 to 14.30 (20min/each) (15 min Presentation+ 5 min Discussions) as listed below:

seq	Name of Researcher	Title of the Research
1	Jabbar Kadhim ABBAS	The application of multi-Sensor System for Condition Monitoring System of Machining Operations
2	Harbi Ahmed DAUD	NUMERICAL STUDY OF FLAT PLATE FILM COOLING EFFECTIVENESS WITH DIFFERENT MATERIAL PROPERTIES AND HOLE ARRANGEMENTS
3	Hassan Dakhil Sarbot	A generalised approach to torsionality maximisation in longitudinal-torsional ultrasonic devices
4	Ziad Shakeeb Abdulbaky AL-SARRAF	Design and simulation of the ultrasonic spot metal welding horn used to improve welding
5	Mohammed Ali Nasser Ali	A METHOD OF ANALYSIS TO ESTIMATE THERMAL DOWN-SHOCK STRESS PROFILES IN HOLLOW CYLINDERS WHEN SUBJECTED TO TRANSIENT HEAT/COOLING CYCLE
6	khaled Abdulhussein Jebear Al-Farhany	Numerical Study of Double Diffusive Natural Convective Heat and Mass



The Posters

1- Computer and Telecommunication Engineering

seq	Name of Researcher	Title of the Research
1	Ibrahim Khalaf Mohammed Khalaf Mohammed	Novel MIMO 4-DOF Position Control for Capsule Endoscope
2	Ahmed Sultan Bilal Kozal	A Dynamic Optimal Threshold Detection Based Spectrum Sensing Scheme
3	Ahmed Mohammed Ahmed Sabaawi	Infra-red nano-antennas for Solar Energy Collection
4	BAN ADIL AL_JASSANI	Minimization of Incompletely Specified Mixed Polarity Reed Muller Functions using Genetic Algorithm
5	Zaynab Anwer Ahmed	MEAN PREDICTIVE BLOCK MATCHING (MPBM) FOR FAST BLOCK-MATCHING MOTION ESTIMATION
6	Sundes Juma Fakher	Low-Voltage Organic Memory Transistors
7	Sawsan Mousa Mahmoud	Abnormal Behaviours Identification for an Elders Life Activities using Disimilarity Measurements
8	Abd Alrahman Ramzi Abd Alrahman AL-QUBAA	Feature Extraction for Object Identification and Classification using Electromagnetic Imaging
9	Laith Abdullah Mohammed Al-Jobouri	Bandwidth Efficient Data-partitioned Video Streaming for Broadband Wireless
10	Wasan A. Wali	GENETIC ALGORITHM CONTROL BASED ON NEURO-FUZZY MODELLING APPLIED TO THE ADVANCED BIODIESEL MICROWAVE REACTOR
11	Wasan A. Wali	Comparison between Adaptive and Fuzzy Logic Controllers for Advance Microwave Biodiesel Reactor

2- Architecture, Civil and Infrastructure Engineering

seq	Name of Researcher	Title of the Research
1	Atheer Faisal Hameed	Vibration Serviceability Assessment of a Real-Life Laboratory Floor
2	Khalid Battal NAJIM	Thermo-physical behaviour and dynamic thermal properties of crumb rubbermodified concrete for energy efficiency in buildings
3	Deleen Mohammed Saleh Al-Shrafany	Calibration of Roughness Parameters using Rainfall Runoff Water Balance for Satellite Soil Moisture Retrieval
4	Zubaida A. Slaiby Al Azawi	Intelligent Transportation System and Services in Digital Economy
5	Mustafa Khudhair Ibadi Al-Alwani	Evaluation of sustainability AL- Hilla city in Iraq based on comparison of western and Arabic cities
6	Nihad Bahaaldeen Salih	Time-Dependant Strain of some Gypsum Rocks



3- Power and Water Energy Engineering

seq	Name of Researcher	Title of the Research
1	Hussein Ali Janna	Occurrence, fate, and removal of emerging contaminants from wastewater plants in East Midlands, UK
2	Hameed Balassim Mahood AL-MUHAMMEDAWI	Two-Phase Bubble Condensation through Direct-Contact Heat Transfer of two Immiscible Liquids
3	Hameed Balassim Mahood AL-MUHAMMEDAWI	EFFECT OF FLOW-OBSTRUCTION GEOMETRY ON PRESSURE DROPS IN HORIZONTAL AIR-WATER TWO-PHASE FLOW
4	Salam Khudhair Abdullah Al-Nasri	Removal of Cobalt Ion from Aqueous Solution Using a Hierarchical Porous Structure of Composite Natural Iraqi Carbon of Palm Tree Fibre Waste – ZeoliteY
5	Oday Hadi Hussin	Encapsulation of radioactive waste from oil industry in composite cement system
6	Hussein Ali Janna	Occurrence, fate, and removal of emerging contaminants from wastewater plants in East Midlands, UK

4. Mechanical and Manufacture Engineering

seq	Name of Researcher	Title of the Research
1	Ahmed Abdul Rida Yaseen AL-WAALY	Design, Fabrication and Simulation of Small Scale Heat Exchangers and Assessment of their Performance
2	Harbi Ahmed DAUD	Numerical Investigations of Wall-Bounded Turbulence
3	Hisham Ahmad Humadi Al-Khazali	Discover Gyroscopic Effect in Rotating Structures using Experimental Modal Analysis and Finite Element Data