2nd International Conference in Industrial Engineering and Operations Management (IEOM)

Kuala Lumpur, Malaysia
January 22-24, 2011

Venue: Grand Seasons Hotel

CONFERENCE PROGRAM SUMMARY

January 21, 2011 (FRIDAY)
5:00-9:00 pm Onsite Registration

Day 1: January 22, 2011 (SATURDAY)
08:00 – 08:30   Registration
08:30 – 09:00 Opening Ceremony
09:00 – 09:45 *Keynote 1:* Dr. Ronald G. Askin, Professor of Industrial Engineering, School of Computing, Informatics and Decision Systems Engineering, Arizona State University, USA
09:45 – 10:30 *Keynote 2:* Prof. Dr. Ahmad Faris Ismail, Deputy Rector (Research and Innovation), International Islamic University Malaysia
10:30 – 11:00 Tea Break
11:00 – 12:45 Parallel Sessions
12:45 – 01:45 Lunch Break
01:45 – 3:15 Parallel Sessions
03.15 – 3.45 Tea Break
03.45 – 5.15 Parallel Sessions
07:00 – 9:00 pm CONFERENCE DINNER

Day 2: January 23, 2011 (SUNDAY)
08:00 – 09:00 am Registration
09:00 – 09:45 *Keynote 3:* Mr. Ang Toon Yoon, Assembly Engineering Manager, Intel-Malaysia
09:45 – 10:30 *Keynote 4:* Dr. Ashraf Shikdar, Chair, Department of Mechanical and Industrial Engineering, Sultan Qaboos University, Sultanate of Oman
10:30 – 11:00 Tea Break
11:00 – 12:45 Parallel Sessions
12:45 – 02:00 Lunch Break
02:00 – 04:00 Parallel Sessions
04:00 – 05:00 Tea Break and Networking

Day 3: January 24, 2011 (MONDAY)
09:30 – 11:30 Tutorial

FINAL CONCURRENT SCHEDULES

DAY 1, JAN 22, 2011

9:00-9.45: Keynote Presentation 1: Dr. Ronald Askin, Arizona State University

9.45-10.30: Keynote Presentation 2: Prof. Dr. Ahmad Faris Ismail, International Islamic University Malaysia

10.30-11.00 TEA BREAK

Day 1 Production Planning and Control 1, Time 11:00 T0 12:45   Meeting Room, L2

Session Chair: Prof. Venkata Seshachala Sarma Yadavalli

SL	ID	Title	Authors	Country
1	68	Autops: Service-Oriented RFID-Enabled Real-Time Collaborative Manufacturing Platform For Automotive Part Supply Alliances	George Q. Huang;	China
2	141	Bottleneck Management Strategies in Semiconductor Wafer Fabrication Facilities	Shirley J Tanjong	Malaysia
3	144	Study of Implementing Zachman Framework for Modeling Information Systems for Manufacturing Enterprises Aggregate Planning	A Radwan; M Aarabi	Malaysia
4	162	A Lot-sizing Algorithm for Pull Production Environments	O Adetunji; Venkata S S Yadavalli	South Africa
5	185	Backorder And Lot Sales Continuous Review Raw Material Inventory Control System With Lead Time And Ordering Cost Reduction	T G Amran	Indonesia
6	229	Defect of Process Parameters in Friction Stir Welding of Dissimilar Aluminum Alloys	M Durai raj	India
7	249	Application of Artificial Intelligent in Production Scheduling: a critical evaluation and comparison of key approaches	T Nehzati; N Ismail	Malaysia

Day 1 Design and Manufacturing 1, TIME 11:00 T0 12:45   **Crystal 11 ,GF**

Session Chair: Dr. Mohammad Yeakub Ali

SL	ID	Title	Authors	Country
1	63	Fabrication and characterization of highly crystalline hydroxyapatite used for bone joining, replacement and reconstruction	Waleed	Iraq
2	69	An investigation in to the Advanced Manufacturing Technologies implemented systems in Manufacturing Enterprises of Pakistan	G Y Shaikh; H B Marri; Riaz A Sohag; Zeeshan Khatri; M.A Uqaili	Pakistan
3	75	Critical Success Factors in developing the Design Capabilities for Malaysian Automotive Vendors	Ana S Z Abidin; Rosnah Myusuff; Rasli Muslimen	Malaysia
4	104	Implementing Topology Optimization for a Three Wheeled Vehicle Considering Static & Dynamic Loading.	Nor A. Badardin; Rahizar Ramli; Tuan M Y Shah	Malaysia
5	124	To stay competitive in future automotive assembly - Some challenges related to flexibility	B Diffner; M Björkman; K Johansen	Sweden

| 6 | 142 | The Application of Quality Function Deployment (QFD) and Rapid Prototyping (RP) Technology In Improving the Design of Anti Sleep Driving Alarm | W Y Yusmawiza; E Y T. Edesta; A Najiah; N F Huda | Malaysia |
| 7 | 191 | Efficiency Enhancement of Modern Manufacturing Industries through the Integration of Lean Manufacturing Principles and Software based Mechatronics System | Ramamoorthy C; Dineshkumar A | India |

Day 1 Project Management, TIME 11:00 T0 12.45   Crystal 5, L2

Session Chair: Dr. Ateekh-Ur Rahman				
SL	ID	Title	Authors	Country
1	60	Targeting Results: Lessons Learned from UAE National ID Program	Ali M Al-Khouri	UAE
2	82	Malaysia Deep Water Manufacturing Facilities (Gumusut lateness)	Md. A K Salehun	Malaysia
3	145	A Conceptual Model of the Success Assessment Indicators and Critical Impact Factors for the New Product Development	J Lyu; C Cheng	Taiwan
4	259	A Study to Assess Operational Factors to Enhance Project Performance	A L-Ur-Rehman	Saudi Arabia
5	262	A Review of Literature on Reducing Time and Cost of New Product in SMEs through Project Management by E-Collaboration	M. Mohammadjafari; S. Ahmed; S. Z. M. Dawal; H.Zayandehroodi	Malaysia
6	297	An Evaluation Of Critical Success Factors For Deepwater Oil & Gas Project Portfolios In Nigeria	D D Fiberesima; N S AbBdul RaNI	Malaysia
7	316	A Proposal Framework for Evaluating Risks of Information Technology Outsourcing	A Keramati; H Samadi; S N Shirkouhi	Iran

Day 1 Engineering Management 1, TIME 11:00 T0 12:45   Crystal 6, L2

Session Chair: Dr. Carolina Billitteri				
SL	ID	Title	Authors	Country
1	80	Advanced Manufacturing Technology Implementation Performance: Towards A Strategic Framework	Sara Saberi	Malaysia
2	83	Risk Management: Fault Tree Analysis	Afzal Ahmed	Pakistan
3	138	Technological Challenges in Risk Management of Carbon Capture and Geological Storage (CCGS) Projects	C Morgado; V Esteves	Brazil
4	177	Operations-Based Knowledge Management	R Zawawi; H Akpolat; R Bagia	Australia
5	202	Capital Structure Decisions in the Biopharmaceutical Industry	F Zambuto; C Billitteri; G Lo Nigro	Italy
6	221	Airline Emission Forecast Through Empirical Analysis of Its Contributing Factors	N Jayapal; P.M Poosandaram; K Krishnamurthy	India
7	226	A Framework To Support The Decision Of Vertical Integration Strategy	S C Onar; S Polat; G Kucukyazici	Turkey
8	246	A systems approach for the effective adoption of rapid prototyping for SMEs	A Ahmad; M I Mazhar; I Howard	Australia

Day 1 Engineering Management 2/Alternate Energy, TIME 11:00 T0 12:45   Crystal 8, L2

		Session Chair: Dr. Indika Perera		
SL	**ID**	**Title**	**Authors**	**Country**
1	309	A new balancing approach in Balanced Scorecard by applying cooperative game theory	M Jafari	Iran
2	326	An Empirical Assessment Of The Relationship Between Service Quality And Customer Satisfaction In Fashion House.	M. A. Islam; M Khadem; M Alauddin	Bangladesh
3	327	A study of strength and thermal stability of Low-density polyethylene grafted maleic anhydride/montmorillonite nanocomposites	M-K Chang; S J Li	Taiwan
4	328	Exploring Overall Equipment Efficiency Model Of Laboratory Capital Equipments In Malaysian Public Universities	Y Ngadiman	Malaysia
5	307	Proposal for economic disposal of sawdust as an alternative energy source: A Case Study	I Perera	Sri Lanka
6	323	Present Scenario of Compressed Natural Gas as a vehicular fuel in Bangladesh	S Akhter	Bangladesh
7	348	Multi-criteria structured equation mode on managerial capabilities	S Sorooshian; N Zulkifli	Malaysia

Day 1 Supply Chain Management 1, TIME 11:00 T0 12:45 Crystal 15, L1

		Session Chair: Dr. AHM Shamsozzaha		
SL	**ID**	**Title**	**Authors**	**Country**
1	123	A Hybrid Approach for CPLP with Multicommodity Flow	S. A MirHassani; F Hooshmand	Iran
2	125	Use Of The Value Stream Mapping Tool For Waste Reduction In Manufacturing. Case Study For Bread Manufacturing In Zimbabwe.	S Mhlanga; William M Goriwondo	Zimbabwe
3	134	Real-time Tracking and Tracing System: Potentials for the Logistics Network	AHM Shamsuzzoha; P Helo	Finland
4	135	Dynamically Stable Vertical Integration of Firms in a Supply Chain	D Yeung	China
5	154	A heuristic algorithm for the warehouse space assignment problem considering operational constraints: with application in a case study	V Nasiri; M R marjani; S M M husseini; O sanei	Iran
6	155	The Concept of Bills of Material for Supply Chain Planning and Its Prototyping with ERP	Y Matsui; R Sato; M Furukado	Japan
7	87	Management Aspects of Industrial Technology Transfer Projects to Developing Countries	Mujbil Al-Marsumi	Jordan

LUNCH BREAK 12:45-1:45

Day 1 Production Planning and Control 2, TIME 1:45 T0 3:15   Room, L2

		Session Chair: Dr.Tarik Aouam		
SL	**ID**	**Title**	**Authors**	**Country**
1	261	An Integrated Production Planning and Simultaneous Negotiations Model for Periodic Order Acceptance Decision	S Piya; T katsuhiko; K Morikawa	Japan

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SL	ID	Title	Authors	Country
2	281	An Exact Method to Solve Scheduling and Production Smoothing Problem in Flow Shop Environment	M Bijari, P Mostofian	Iran
3	289	Production Planning under Uncertainty with Multiple Customer Classes	T Aouam	UAE
4	336	A tabu search approach for makespan minimization in a permutation flow shop scheduling problems	S Pararach	Thailand
5	346	Dynamics of Successive Product Generation - -A System Dynamics Perspective	E A Fernandez; D B Hui	Philippines

Day 1 Design and Manufacturing 2, TIME 1:45 T0 3.15   Crystal 11 ,GF

	Session Chair: Dr. Saifullah Sadi			
SL	ID	Title	Authors	Country
1	206	A new cell formation model using sequence data and handling cost factors	E Teymourian; I Mahdavi; V Kayvanfar	Iran
2	243	Optimization of Depth of Cut in Multi-pass Machining Using Hopfield Type Neural Networks	S Özen; M Bayhan	Turkey
3	266	Experimental Analysis and Modeling of Tool Wear and Surface Roughness in Hard Turning under Minimum Quantity Lubricant Environment	N T Chowdhury	Bangladesh
4	270	Development of Mathematical Cost Model for Room Temperature End-milling of AISI D2 Tool Steel	M Elhadie; A N M Karim; A K M N Amin; M A Lajis	Malaysia
5	322	Soft Computing Control System Of An Unmanned Airship	W Kitt	Malaysia
6	260	Analysis of Assembling Processes of a Car Cabin for Productivity Management	R Usubamatov; R A Rahman	Malaysia
7	133	Study on the Visual Identifiability of Taiwan Doorplate Design (POSTER PRESENTATION)	Shy-Peih	South Korea

Day 1 Systems Modeling and Simulation 1, TIME 1:45 T0 3:15   Crystal 5, L2

	Session Chair: Dr. M. Kudret Yurtseven			
SL	ID	Title	Authors	Country
1	65	Automation System Design and Cognitive Systems Engineering	M. K Yurtseven; A Rahrooh; Walter W. Buchanan; S Bas	Turkey
2	66	Analysis Of The Influence Of Holidays On Short Term Natural Gas Consumption in Iran Based on Artificial Neural Network	N Sadeghi; M Piltan; Seyed F Ghaderi	Iran
3	67	Short-term Electricity Price Forecasting in Deregulated Markets Using Artificial Neural Network	S. Shakiba; M Piltan; Seyed F Ghaderi; Mohsen s Amalnik	Iran
4	81	Guideline For Improving Capacity Of A Job Shop Based On Selected Performance Measures	Md. A K Salehun	Malaysia
5	126	An RFID-based Universal Lightweight Multi-Domain Auto-Monitoring System	A Bhattacharjya; R K PAL	India
6	157	Uniform Fractional Part Algorithm And Applications	A Aghaie	Iran

Day 1 Decision Support Systems 1, TIME 1:45 T0 3:15   Crystal 6, L2

	Session Chair: Dr. Kemal Kilic			
SL	**ID**	**Title**	**Authors**	**Country**
1	136	A proposed classification of data mining techniques in credit scoring	A Keramati; N Yousefi	Iran
2	183	Impact of technology on the design of back offices: An evolutionary perspective.	A Rangarajan	India
3	237	Developing an Employee Information System for Information Management in a Garment Industry	A M M Mukaddes; M Khadem; A Ali; S S Shah	Banglade sh
4	283	Prediction Markets in the Energy Sector: a Case-Study	F Silveira; A Grilo	Portugal
5	312	A DSS for Innovation Management: The Significance of the Innovation Determinants	K Kilic; C Hamarat	Turkey
6	315	A structured methodology for Information Systems Outsourcing Decisions using Fuzzy MCDM	S M Nargesi; A Keramati; A Ansarinejad; S N Shirkouhi	Iran
7	310	Exploiting The Decision-Making Technique To Explore The Relationship Between The Financial Factors And The Stock Preference	S Jung; G Kim	South Korea

Day 1 E-Business and E-Commerce 1 , TIME 1:45 T0 3:15   Crystal 8, L2

	Session Chair: Dr. Fethi Calisir			
SL	**ID**	**Title**	**Authors**	**Country**
1	116	Profiling bank customers behaviour using cluster analysis for profitability	A Mastali; R Zadeh; A Faraahi	Iran
2	151	Factors Influencing the E-commerce Performance of Large-scale Turkish Companies	F Calisir; C A Gumussoy; O U Eris	Turkey
3	178	Acceptance of e-reverse auction use: An empirical comparison of models	C A Gumussoy; F Calisir	Turkey
4	189	Service-Oriented Architecture and IT-Business Alignment	J Choi; K Ramamurthy	USA
5	282	Developing Collaborative Key Performance Indicators for Manufacturing Collaboration	J-Y JUNG; J S Lee	South Korea
6	354	Factors influencing the adoption of M-commerce: An exploratory Analysis	S Sadi	Oman

Day 1 Supply Chain Management 2, TIME 1:45 T0 3:15   Crystal 15, L1

	Session Chair: Dr. Lina Al-Qatawneh			
SL	**ID**	**Title**	**Authors**	**Country**
1	175	A Supply Chain Model for Lean Facilities Considering Milk Run Replenishment, Postponement Production System and One-for-One Base Stock Inventory Policy Decisions	D Cruz	Philippine s
2	176	Healthcare Logistics Cost Optimization Using a Multi-criteria Inventory Classification	L Al-Qatawneh; K Hafeez	Jordan
3	187	New Strategy for Warehouse Optimization - Lean warehousing	S Dharmapriya; A	Sri Lanka

			Kulatunga	
4	188	Exploring Lean and Green Supply Chain Performance Using Balanced Scorecard Perspective	S Duarte; M R Cabrita; V C Machado	Portugal
5	203	Multi-level analysis of value creation in supply chain management: evidence from New Zealand clusters	L Wood	Australia

Day 1 TIME 3.15-3-45 TEA BREAK

Day 1 Operations Research 1, TIME 3:45 T0 5:15   Room, L2

Session Chair: Dr. Zaki Ayag				
SL	**ID**	**Title**	**Authors**	**Country**
1	57	Evaluating Simulation Software Alternatives through ANP	Z Ayag	Turkey
2	77	Dynamic Buffering of a Capacity Constrained Resource via the Theory of Constraints	O Adetunji; Kris Adendorff; Venkata S S Yadavalli	South Africa
3	78	Experimental Study of Manufacturing of Chemical	Niveen Abdalkahder	Iraq
4	193	Optimization of Integrated Scheduling of Quay Cranes and Automated Guided Vehicles Simulated Annealing Algorithm	S M Homayouni; S H Tang; N Ismail; M.K.A Ariffin	Malaysia
5	276	Cyclic Scheduling in a Job shop with Multiple Assembly Firms	K Nakade	Japan
6	117	A Novel PSO For Solving The VRPTW With Real Case Study	S Amini	Iran

Day 1 Design and Manufacturing 3,TIME 3:45 T0 5:15   Crystal 11 ,GF

Session Chair: Dr. Iqbal				
SL	**ID**	**Title**	**Authors**	**Country**
1	280	Configure-to-order (CTO) Product Development Process - The Basis for True Customization	AHM Shamsuzzoha; T Kankaanpaa; P Helo; M Iqbal	Finland
2	287	Development of Mathematical Cost Model for Preheated End-milling of AISI D2 Tool Steel	M Elhadie; A. N. M Karim; A K M N Amin; M A Lajis	Malaysia
3	308	Application of the Design Structure Matrix in Wheelchair Development	M Othman; N Bhuiyan; L Kong	Canada
4	313	Is R&D a Measure of Manufacturing Performance? Answer from Labor Intensive Industries	M. S Islam	Malaysia
5	223	A Study on the Relationship between the Signal Characteristic of Electromagnetic Acoustic Transducer (EMAT) and the Defect style of cylindrical pip	M-K Chang; L.L Shen; Z L Lin; F C Chi	Taiwan
6	320	A Method For Optimizing The Reconfiguration Design Task In Manufacturing Systems	F Musharavati	Qatar

Day 1 Systems Modeling and Simulation 2, TIME 3:45 T0 5:15   **Crystal 5, L2**

	Session Chair: Dr. Abdullah Aghaie			
SL	**ID**	**Title**	**Authors**	**Country**
1	163	Using Simulation and Assignment Modeling for Optimization with Constraint in Ability of Servers	M S Mohammadi; M Baradari; E Sharifi; S S Teshnizi,	Iran
2	164	The New Algorithm to Randomization and Applications	E Shadkam; A Aghaie	Iran
3	184	Application of modeling & simulation techniques to understand & improve the efficiency of back-office operations.	A Rangarajan	India
4	227	Determining the best fleet sizing of a container terminal for a given Layout	A Kulatunga; S Mekala; L Ahamed; S Dharmapriya; A Jayasundara; A Jayasundara	Sri Lanka
5	258	Process Change Pattern Analysis in Collaborative Processes	A Kim; J-Y Jung	South Korea
6	340	Modeling of Chip Tool Interface Temperature in Machining Steel-An Artificial Intelligence (AI) Approach	A Masud; S Ali	Bangladesh

Day 1 Health Care and Service Engineering 1, TIME 3:45 T0 5:15   **Crystal 6, L2**

	Session Chair: Dr. Suhaiza H M Zailani			
SL	**ID**	**Title**	**Authors**	**Country**
1	277	Development of a Low Cost Portable Vending System for Prepaid Utility Meter	M M Islam; M K H Ansary; S M T Ahmad; M L Ali; A H Chowdhury; S M L Kabir	Bangladesh
2	181	The integration of QFD Technique and Value Engineering and its Applying in A HealthcareCenter	K Yeganegi; M R Arasti; M M Khani	Iran
3	321	Safety issues improvement in Ceramic Lined Composite Pipe Produced Using SHS Method	R Mahmoodian; R Rahbari; M H B A Shokur	Malaysia
4	296	Value-based heuristics in policy analysis of renewable energy pricing and its incentives	A Hisham; A F Shamsudin	Malaysia

Day 1 E-Commerce and E-Business 2, TIME 3:45 T0 5:15   **Crystal 8, L2**

	Session Chair: Dr. Falak Aftab			
SL	**ID**	**Title**	**Authors**	**Country**
1	196	A Proposal Framework for investigating the impact of customer relationship management on customer retention in e-commerce	A Keramati	Iran
2	240	Potential Benefits of E-business on Economy and Infrastructural Development	F Aftab	Saudi Arabia
3	257	A Framework of Process Mining for RFID Event Analysis	K Oh; J-Y Jung	South Korea

4	278	A Ubiquitous Process Coordination System for RFID/USN Events	K Kim; K Oh; P Rosales; J Y Jung	South Korea
5	353	BAyesian Information Update For Retailer's Two-Stage Inventory Model Under Demand Uncertainty	M A Rahman; A Ali; A Rahman	USA
6	263	Collaborative Commerce Technologies Adoption for Supply Chain Collaboration and Service Innovation: A Conceptual Model	A Chong; K B Ooi; F Chan	Malaysia

Day 1 Supply Chain Management 3, TIME 3:45 T0 5:15   Crystal 15, L1

Session Chair: Dr. Ahad Ali				
SL	ID	Title	Authors	Country
1	273	Association Rule Based Approach for Improving Operation Efficiency in a Randomized Warehouse	H L Chan; A K W Pang; K W Li	China
2	213	Supplier selection under the risk of supply disruptions	P L Meena; S P Sarmah; A Sarkar	India
3	215	How do airlines preferences about engines influence the competition in the commercial aircraft industry: an empirical analysis	G Perrone; C Billitteri	Italy
4	218	Intermittent demand forecasting by using Neural Network with simulated data	N K V Truong; S Sangmum; K Ichon; V T Nha	South Korea
5	168	On Effective Use of Little''s Law in Deciding Order Quantity in Supply Chain	M Tanabu	Japan
6	232	Constraint Programming Based Column Generation Heuristics for a Ship Routing and Berthing Time Assignment Problem	A K W Pang; C L Li	China

DAY 2 JANUARY 23, 2011

DAY 2, JAN 23, 2011

9:00-9.45: Keynote Presentation 3: Mr. Ang Toon Yoon, Assembly Engineering Manager, Intel-Malaysia

9:45-10:30: Keynote Presentation 4: Dr. Ashraf Shikdar, Sultan Qaboos University

10.30-11.00 TEA BREAK

Day 2 Supply Chain Management 4, TIME 11:00 T0 12:45   Room, L2

Session Chair: Dr. Ananda Jeeva				
SL	ID	Title	Authors	Country
1	209	Value added services by third party logistics providers	T Arthanari; Y Shi	New Zealand
2	222	Reducing supply risk caused by the stockwhip effect in supply chains	A Jeeva	Australia
3	225	Optimal location of RFID antennas in a courier express warehouse	D Pacciarelli; A D'Ariano; M Scotto	Italy
4	325	Design of Dynamic RFID System using 89C51 Microcontroller based Embedded System for Effective Supply Chain Management	Suresh P	India
5	253	Customer Based Two Stage Credit Policies In A Supply Chain	C K. Jaggi; M Verma; A Kausar	India

SL	ID	Title	Authors	Country
6	217	Developing a hybrid algorithm for distribution network design problem	Z Firoozi; S H Tang; M.K.A Ariffin; S Ariafar	Malaysia

Day 2 Operations Research 2, TIME 11:00 T0 12:45   Crystal 11 ,GF

Session Chair: Dr. Mojahid Saeed Osman

SL	ID	Title	Authors	Country
1	295	A Cross Entropy-Genetic Algorithm Approach for m-Machines No-Wait Job-Shop Scheduling	B Santosa	Indonesia
2	338	Emissions and Go Green Project	S Shaikh	India
3	347	A Non-Parametric Predictive Model: A Case of Philippine Public Hostpitals	V J Cantor; R Li; M L Tan; R J Yu	Philippines
4	130	A Hybrid Algorithm For Multi Objective Flexible Job Shop Scheduling Problem	E B Azardoust; N Imanipour	Iran
5	148	A Genetic Algorithm for Fuzzy All-Pairs Shortest Path in a Network	R Hassanzadeh;I Mahdavi; N M Amiri; H Shafieian; A Tajdin	Iran
6	150	A Genetic Algorithm for Fuzzy Shortest Path in a Network with mixed fuzzy arc lengths	I Mahdavi	Iran

Day 2 Human Factors, TIME 11:00 T0 12:45   Crystal 5, L2

Session Chair: Dr. Ashraf shikdar

SL	ID	Title	Authors	Country
1	140	Fostering creativity: A Conceptual Model for Developing Creative Product in Batik Industry	A Susanty	Indonesia
2	158	A Conceptual Framework on the Effects of Manual and Visual Distractions to Drivers Performance	N Uy; E Cleto; A M J Gutierrez; A Canillas	Philippines
3	159	A framework for analyzing motorcycle accidents in the Philippines	R Seva; G M Flores; P Gotohio; N G Paras	Philippines
4	352	Development of a Smart Workstation for an Assembly Task	A Shikdar, I Garbie, M Khadem	Oman
5	201	Gaining the Best Value of HR in Construction Companies	M Arashpour	Iran
6	247	The Influence of Ergonomics on Occupational Safety and Health (OSH) Legislation in Malaysia	R M Sirat; A M Shaharoun; S A H S Hassan	Malaysia
7	255	Ergonomics and Designs	M Iqbal; S Akhter; AHM Shumsuzzoha	Bangladesh

Day 2 Lean Systems, TIME 11:00 T0 12:45   Crystal 6, L2

Session Chair: Dr. Hamid Seifoddni

SL	ID	Title	Authors	Country
1	109	Value Chain Analysis using Value Stream Mapping: White Good Industry Application	H Alaca; C Ceylan	Turkey

2	127	Lean system for managing, the forgotten change management tool of sustainability?	R Burke	United States
3	149	A framework for managing change in lean manufacturing implementation	N Nordin; B M Deros	Malaysia
4	220	Application of Group Technology in Preventive Maintenance	A Abdelhadi; H Seifoddini	United States
5	293	Lean manufacturing best practices in SMEs	A N M Rose	
6	317	Transformation to lean production system of a water heater company in Oman	M K Khadem	Oman

Day 2 Quality Control and Six Sigma, TIME 11:00 T0 12:.45   **Crystal 8, L2**

Session Chair: Dr. Hamdi Bashir				
SL	ID	Title	Authors	Country
1	76	Process capability estimation using fuzzy probability in unknown probability distribution functions	Majid Ebrahimi; Amir Mastali	Iran
2	230	Monitoring Simple Linear Profiles in the Leather Industry (A Case Study)	A Amiri; A Zand; D Soudbakhsh	Iran
3	241	Data Envelopment Analysis for Optimizing Multi-Response Quality Problems in IC Packaging Process	C-M Liu	Taiwan
4	244	Integrating data mining to robust design procedure for a large data set and noise factors	V T Nha	South Korea
5	250	ISO BENEFITS OF AN INDIAN GARMENT EXPORTER	S Krishnan	India
6	298	A comprehensive scheme to monitor simultaneously all required knowledge for an effective root cause analysis	K Atashgar; R Noorossana	Iran

Day 2 Health Care and Service Engineering 2, TIME 11:00 T0 12:45   **Crystal 15, L1**

Session Chair: Dr. Mohammad Khadem				
SL	ID	Title	Authors	Country
1	86	Hazard Identification and Accident Analysis on City Gate Station in Natural Gas Industry	Mehrdad Nikbakht	Malaysia
2	107	Sensemaking Approaches to Improving Processes of Emergency Medical Trauma Centers	P deMattos; C Ntuen; D Miller; E Park	United States
3	108	Predictive Cost Model for Utilizing Auto-Ambulator Rehab Machines	M Rothwell; P deMattos	United States
4	110	Value stream map in healthcare: Implementation of lean thinking in a student?s clinic.	M Elsayed; C Ceylan	United States
5	301	Applying systems engineering to create a population centred sleep disorders program	L Hathout	Canada
6	165	Improve Customer Complaint Resolution Process Using Six Sigma	B Bhattacharyya	India
7	252	A Real-time Localization System Using RFID for Visually Impaired	Q TAI; M Y Malik;Y Hong; J Park	South Korea

LUNCH BREAK 12.45-2.00

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Day 2 Supply Chain Management 5, TIME 2:00 T0 4:00   Room L2

		Session Chair: Dr. Ahmad Sarfaraz		
SL	ID	Title	Authors	Country
1	284	Competing Suppliers under Sales-Rebate Contract and Price Sensitive Demand in a Decentralized Supply Chain	I Sediri; K Nakade	Japan
2	303	A Literary Review of Distribution Based Logistics in Operation Iraqi Freedom	A Whitaker; M Sarder; A Ali	United States
3	306	An integrated Multi-objective Decision Making Process For Supplier Selection with Volume Discounts	A Sarfaraz	United States
4	324	Design of Open Loop Supply Chain Model for Optimum Question paper Delivery system Using Hybrid K-Means GA with SA	Suresh P; Kesavan R	India
5	234	IT Enabled Supply Chain Management - A Case Study Of Diesel Locomotive Works At Varanasi, India	R Prasad	India
6	143	Modeling Supply Chain Management Information System Using ARIS Framework	A Radwan; M Aarabi	Malaysia
7	332	A Model for Optimal Pricing and Capacity Allocation for a Firm Facing Market Cannibalization	S A Raza; A Y A Kuwari; F Aqoqli	Qatar
8	349	Multi-criteria structured equation model on Strategic project management	S Sorooshian; N Zulkifli	Malaysia

Day 2 Operations Research 3, TIME 2:00 T0 4:00   Crystal 11 ,GF

		Session Chair: Dr. K Sharif		
SL	ID	Title	Authors	Country
1	228	Integrating Quality and Inspection for the Optimal Lot-sizing Problem with Rework, Minimal Repair and Inspection Time	Y-H Lin; Y C Chen	Taiwan
2	286	Optimal control policy of a production and inventory system for deteriorating items in segmented market	K Chaudhary	India
3	292	Airline Crew Scheduling Using The Differential Evolution Method	B Santosa	Indonesia
4	79	Study of Electrochemical Polishing Applications in some alloys to obtain high surface finish	N Abdalkahder	Iraq
5	200	The Real Time GPS Tracking on the Image Satellite by using Geographical Information System Program	S Ali	Iraq
6	156	Ranking of maximum production strategies in gas processing plant of National Iranian Gas Company using AHP	A Massaeli	Iran
7	172	Networking strategy for competitive advantage	F Riccobono; M Bruccoleri; G Perrone	Italy
8	192	A Comparison of Purchase and Inventory Management System of two Educational Institutes	Sharif K	India

Day 2 Operations Management , TIME 2.00 T0 4.00   Crystal 5, L2

		Session Chair: Dr. Fethi Calisir		
SL	ID	Title	Authors	Country
1	72	Ranking of maximum production strategies in gas processing plant of National Iranian Gas Company using AHP	Ali Massaeli	Iran

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2	105	Effective Colour Management for Textile Coloration- An instrumental way towards perfection	Z Khatri; Ghulam Y Shaikh; Khan M Brohi; Mohd A Uqaili	Pakistan
3	115	The Development of Toxic Gas Exposure Guidelines using Preliminery Hazard Analysis (PHA) Approach	Abdul R Omar; K A.Rahman; Mohamad Z M Yusof; Abdul M Lemon	Malaysia
4	131	Investigating the Association between Organizational Differences and the Implementation of ISO 9001:2000	Abdullah M.S. Al-Rawahi; H Bashir	Oman
5	152	Intellectual Capital In Development and Investment Banks of Turkey	F Calisir; C A Gumussoy; F Cirit; A E Bayraktaroglu	Turkey
6	153	Investigation Of The Performance Characteristics Of A Rotary Electronic Tablet Counter	A Jinadu	Nigeria
7	224	Break-even analysis in engineering projects: the case of a new technology application	J S Tamayo	Colombia
8	300	Modeling and Analysis of Bus Routing Operations at Kuwait Public Transport Company	M Savsar; J Alnaqi; M Atash	Kuwait
9	341	Applicability of ARIMA Models in Wholesale Vegetable Market: An Investigation	M Shukla; S Jharkharia	India

Day 2 Reliability and Maintenance , TIME 2:00 T0 4:00   Crystal 6, L2

Session Chair: Prof. V.N. Achutha Naikan

SL	ID	Title	Authors	Country
1	122	Maintenance optimization models: a review and analysis	M Vasili	Malaysia
2	137	Optimising A Production System Using Tools Of Total Productive Maintenance: Datlabs Pharmaceuticals As A Case Study	S Mhlanga; William M Goriwondo	Zimbabwe
3	179	Cost Analysis for Used Products with Warranty and Preventive Maintenance	Sarada Y.; Mubashir U M	India
4	242	Condition Based Maintenance (CBM) in the Oil and Gas Industry: An Overview of Methods and Techniques	S Telford; M I Mazhar; I Howard	Australia
5	245	A hybrid Markov system dynamics approach for availability analysis of degraded systems	M S Rao; V.N A Naikan	India
6	334	Condition Based Maintenance System for Heavy Equipments Case study: Using Trend Analysis in Oil Monitoring	A Sayyah	Malaysia
7	198	Design of a Fuzzy Job Satisfaction Matrix with Dynamic Performance Criteria	H Fazlollahtabar	Iran
8	199	Design of a Creativity Matrix Using Virtual Intelligent Clustering and Knowledge Development Program	H Fazlollahtabar	Iran
9	256	An Optimal Maintenance/Production Planning for a Manufacturing System Under Random Failure Rate and a Subcontracting	H zied; D Sofiene; R Nidhal	France

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Day 2 Engineering Education , TIME 2:00 T0 4:00   **Crystal 8, L2**

		Session Chair: Dr. Tarek Qasim		
SL	**ID**	**Title**	**Authors**	**Country**
1	139	Preliminary Study of Key Success Factors for Effective Knowledge Transfer in SMEs Batik (Case Study SMEs Batik in Solo)	A Susanty	Indonesia
2	231	Development Of An FPGA Based Low Power System For Displaying Muslim Prayer Time	S.M. T Ahmad; M L Ali; M Bkarim;T Sultana	Bangladesh
3	267	Simulation and Design of Parameterized Convolutional Encoder and Viterbi Decoder for Wireless Communication	M B Karim; M L Ali; S M T Ahmad	Bangladesh
4	272	FPGA Implementation OF AN AES Processor	K S Ahmed; M L Ali; M B Karim S M T Ahmad	Bangladesh
5	106	Analysis and Developments of PGNAA Installation at Al Rashadiya Lafarge Cement Plant in Jordan	T Qasim; T Al-Etaiwi; M Al-khasheb	Jordan

Day 2 Sustainability, TIME 2:00 T0 4:00   **Crystal 15, L1**

		Session Chair: Dr. Suhaiza H M Zailani		
SL	**ID**	**Title**	**Authors**	**Country**
1	64	Factors Affect Safety and Health Behavior of Logistics Workers in Malaysia: A Conceptual Framework	Hui N A Yong; Suhaiza H M Zailani; Lilis S A Talib	Malaysia
2	118	Theoretical Framework : The Influence of Core Technical Competence and Core Marketing Competence to Competitive Advantage	E Chumaidiyah	Indonesia
3	268	Study of innovativeness factors in Iranian automotive industry	M S Owlia; F Shakeri; M Vafaiee	Iran
4	271	SERvice Oriented Architecture & Real-Time Agent Activated Maintenance Framework For Port Equipment Management	S P Gothandapani; K Chellappan	Malaysia
5	329	An Alternative Maintenance Technique to Improve the Maintenance Decisions of Production Machine System	R Ahmad; S Kamaruddin	Malaysia
6	305	European Technical Directives in the Engineering Education	A Lazarov	Bulgaria
7	342	Challenges and Solutions for IPMSM to be Used as a Next Generation Electrical Machine	S Rahman	Canada

04:00 – 05:00 Tea Break and Networking

DAY 3 JANUARY 24, 2011

TUTORIAL 9:30-11:30 SIMULATION WITH ARENA (DR. KHADEM)

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