

ISME'14 Technical Program			
Time		Tuesday, November 11 <sup>th</sup> 2014	
ISME'14 Technical Program			
9:00-5:00		Conference registration	
10:00-10:30		Opening Ceremony	
10:30-11:00		Coffee break	
11:00-12:00		Keynote address I: Reliability Economics, Challenges and Prediction Prof. Elsayed Elsayed, Professor and Director of the NSF Center for Quality and Reliability Engineering, Rutgers University. Chair: Prof. Raid Alaomar	
12:00-12:30		Coffee break	
12:30-7:30		Workshop: "Practical Problem Solving: The Core of Lean Six Sigma"	
12:30-2:00		Technical Session I: Supply Chain and Logistics Chair: Dr. Ali Diabat	Technical Session II: Quality Control and Reliability Engineering Chair: Dr. Abdallah Abdallah
	1	Integrating Productivity, Interference and Yard Congestion into the Quay Crane Sequencing Problem Noura Al Dhaheri, Effrosyni Theodorou, and Ali Diabat (Masdar Institute of Science and Technology, Abu Dhabi, UAE)	1 Using Design of Experiment methodology to Study the effect of changing cooling system Components on the Difference in Operating Temperature. Eng. Feras Rteimeh (KADDB Investment Group)
	2	Voluntary Adoption Of Sustainable Supply Chain Management Practices in Developing Countries: The Case Of Jordan Emad Alzu'bi (Technische Universität München, Munich, Germany), and Renzo Akkerman (Technische Universität München, Munich, Germany)	2 Continuous Quality Improvement of Municipal Service At Greater Amman Municipality (GAM) Eng. Dima Ayesh (Greater Amman Municipality (GAM))
	3	Using Analytic Hierarchy Process to Select Shipping Terms in a Pharmaceuticals Company Amani Ahmad (University of Jordan), Dina Al Hammouri (University of Jordan), and Mazen Arafeh (University of Jordan)	3 Heat Pipe Design, Fabrication And Thermal Performance Evaluation: An Experimental Study Ahed ABU TAYYEM (University of Jordan), and Nabil MOUSA (The Islamic University, Gaza, Palestine)
	4	Applying Lean Concepts in a Warehouse Operations – WMS Eng. Esraa Qasem, and Eng. Noor Al-Huda	4 PalcoControl Journey from ideas to products Eng. Radwan Abu Tubbaneh (Palestine Industrial Establishment for Automation and Electronic Control)
	5	Service Supplier Evaluation With Utility Range Based Interactive Group Decision Method Halil Şen (Sakarya University, Turkey) and Murat Ayanoğlu (Sakarya University, Turkey)	5 Structural Health Monitoring and Damage Detection Using Statistical Process Control: A Literature Review Khalid Aram (Jordan University of Science and Technology)
2:00-3:00		Technical Session V: Innovation Chair: Dr. Rula Allaf	Technical Session IV: Reliability and Maintenance Engineering Chair: Dr. Adnan Albashir
	1	Innovation Culture Enhancing Model and its application Dr. Abeer Pharaon (Innovation Culture Consulting Ltd)	1 The scale effect on condition monitoring of large scale rolling bearings Idriss El-Thalji (VTT Technical Research Centre of Finland), and Erkki Jantunen (VTT Technical Research Centre of Finland)
	2	Making prosperity and peace: use of moveable factories to enable local production by local people using local materials Dr. Stephen Fox (VTT Technical Research Centre of Finland)	2 Maintenance Plans in Hikma's Pharmaceuticals Eng. Dina Massanat, and Dr. Shireen Shireen S. Al Hourani (Hikma Pharmaceuticals PLC)
	3	Air Impact Resistance System/ Innovation Mr. Muneer Al-Assi, and Eng. Tamara Hijazi (First Armour Co.)	3 A model of systematic failure finding analysis of wind turbine drive train Muhammad USMAN (University of Gujrat, Pakistan), M SHAHBAZ (The royal institute of technology Stockholm Sweden), Qazi SHAHAZ ALI (University of Gujrat, Pakistan)
3:00-4:00		Launch break	
4:00-4:45		Keynote address II: Industrial Engineering Overview: Career Opportunities Dr. Moayad Samman, Chairman-King Hussein Business Park Chair: Dr. Bilal Gharaibeh	
4:45-5:15		Coffee break	
5:00-6:15		Technical Session II: Engineering Education Chair: Dr. Iyas Khader	Technical Session VI: Materials Engineering Chair: Prof. Norhamidi Muhamad
	1	A system approach for developing a System Engineering postgraduate program Raid AL-AOMAR (Abu Dhabi University, Abu Dhabi, UAE), and Ghazi AL-BAKRI (Abu Dhabi University, Abu Dhabi, UAE)	1 From foils to nanoparticles, advances in transient liquid phase (TLP) diffusion bonding Anas M. Atieh (University of Calgary, Alberta, Canada), and Tahir I. Khan (University of Calgary, Alberta, Canada/University of Qatar, Qatar)
	2	Student perceptions and practices within thesis projects Mustafa Serkan Abdüsselam (Giresun, Turkey), Idriss Talal Thalji (VTT Technical research centre of Finland, Espoo, Finland).	2 Potential of wood sawdust waste as filler for injection-molded polypropylene products Rula M. Allaf (German Jordanian University), Faris E. AISaka (German Jordanian University), Sami F. Abu Hanna (German Jordanian University), Bashar I. Afghani (German Jordanian University)
	3	TQM practices and organization performance in Malaysia's higher education institution Rosnah Mohd. Yusuff (Universiti Putra Malaysia, Malaysia), Rahayu Binti Tukimin (Kolej Kemahiran Tinggi MARA Kuantan, Malaysia), and Faziollah Anamohamadi (Universiti Putra Malaysia, Malaysia)	3 Prediction of PVC Composite Properties Using ANN Maysa AMMOURI (German Jordanian University), and Safwan ALTARAZI (German Jordanian University)

Time	Wednesday, November 12 <sup>th</sup> 2014			
9:00-4:00	Conference registration			
9:30-3:30	Workshop: “Performance Management: Results Based Management (RBM)”			
9:30-10:30		Technical Session VII: Manufacturing Engineering Chair: Dr. Saed Mismar		Technical Session VIII: Quality Planning Chair: Eng. Mohammad Ajloni
	1	Variable Flow Stress Machining Theory Applied to Predict Cutting Forces in End Milling with a Variable Helix Angle End Mills Majed MASMALI (University of New South Wales, UNSW, Sydney), and Philip MATHEW (University of New South Wales, UNSW, Sydney)	1	Implementation of Excellence models Eng. Widad Qutaishat
			2	Implementation QFD Concept on ALJAWAD vehicle Mr. Mohammad Hamdan Ayasrah (Jordan Light Vehicle Manufacturing Co.)
	2	Drilling Of Carbon/Epoxy Composites by Electrical Discharge Machining Jamal Y. Sheikh-Ahmad (The Petroleum Institute, Abu Dhabi, UAE), and Sandeep R. Shinde (Wichita State University, Kansas, USA)	3	The Excellence Model at KADDB Investment Group Eng. Mohammad Ali Ajlouni (KADDB Investment Group)
	3	Powder Injection Molding of Cemented Carbide Norhamidi MUHAMAD (Universiti Kebangsaan Malaysia, Selangor, Malaysia), Abdolali FAYYAZ (Universiti Kebangsaan Malaysia, Selangor, Malaysia), Abu Bakar SULONG (Universiti Kebangsaan Malaysia, Selangor, Malaysia), and Javad RAJABI (Universiti Kebangsaan Malaysia, Selangor, Malaysia)	4	Cost of Quality at KIG Eng. Mohammad Kashkash (KADDB Investment Group)
10:30-11:00	Coffee break			
11:00-12:00	keynote address III: "THE NEXTGEN INDUSTRIAL ENGINEER: The Engineering Profession in 2025 and how it will affect us" Prof. Bopaya Bidanda, Ernest Roth Professor & IE Department Chair-University of Pittsburgh Senior VP (International), IIE Chair: Dr. Mazen Arafah			
12:00-2:00		Technical Session IX: Lean Systems Chair: Dr. Lina AL-Qatawneh		Technical Session X: Production Planning Chair: Dr. Nabeel Yusef
	1	Performance Improvement Using the Single Minute Exchange of Die (SMED) Methodology in an Aluminum Profiles Extrusion Production System Ramiz Assaf (An-Najah National University, Nablus, Palestine), and Tamer Haddad (An-Najah National University, Nablus, Palestine)	1	Processes Improvements and Costs Reduction Eng. Mustafa Khodary (Reickermann Industrial Solutions)
	2	Implementing Cellular manufacturing System at TERRAQUEOUS Company Eng. Hisham Al Ghazawi (The Jordanian Company for Manufacturing Special Boots (TERRAQUEOUS))	2	Material Planning vs. Procurement: One Team or Rivals Dr. Naser Bawab (Tabuk Pharmaceuticals Manufacturing)
	3	Application of lean manufacturing principals in a local industry in Benghazi Tarik H. BADI (University of Benghazi, Benghazi, Libya), Abdulfatah A. ALTUMI (University of Tripoli, Tripoli, Libya)	3	Overall Equipment Effectiveness at Hikma Pharmaceutical Eng. Eyad Al Shoubaky, and Dr. Shireen Shireen S. Al Hourani (Hikma Pharmaceuticals PLC)
	4	KAIZEN at Ministry of Industry and Trade / Jordan Eng. Abeer Ramadna (Ministry of Industry and Trade, Jordan )	4	Knock down production in commercial vehicles Dr. Kimio Iwai (Japan International Cooperation Agency)
	5	Value Stream Mapping Implementation on a Snow Plow Eng. Mariana Nasr & Eng. Feras Iteimeh (KADDB Investment Group)	5	Inv Cost Reduction: A case Study at Jotun Eng. Mohammad Alsalaymeh (JOTUN Paints Co.)
	6	Implementing 5S and Improvement tools in Jordan Abdallah Qatanany, Majd Ahmad Nababteh	6	Electronic Point of Production.System & Focused Improvement System (e-Pop.Sys & FIS) Mr. Musa Hammudeh (MultiLink Consultants)
2:00-2:30	Coffee break			
2:30-3:30		Technical Session XI: Environment and Sustainability Chair: Dr. Abeer Pharaon		Technical Session XII: Miscellaneous Topics Chair: Dr. Jamal Y. Sheikh-Ahmad
	1	Sustainability based development of local food service in a hypermarket context: A case study in Finland Nurdan EREN THALJI (MSC, Finland), J.P.LIYANAGE (University of Stavanger, Stavanger, Norway) and Heidi KORHONEN (VTT Technical research centre of Finland, Espoo, Finland)	1	Values and Management Practices Dr. Maqbouleh Hammoudeh (TEAM International Engineering and Management Consultants)
	2	Sustainability at Nuqul Group Ms. Shereen Dabbas (Nuqul Group)	2	Industrial Engineers Impact at ELZAY Co. Eng. Esraa Qasem (ELZAY Ready Wear Manufacturing Company)
	3	Designing Business Rules to identify Environmental Policies through a BIM Model Alan Martin Redmond (University of Toronto, Toronto, Canada), Mustafa Alshawhi (University of Salford, Salford, United Kingdom), Jason Underwood (University of Salford, Salford, United Kingdom)		
3:30-4:30	Launch break			
4:30-5:30	Wrapping up			