

Technical Program Overview

Wed - 7 Dec						
9:00 - 10:30	Opening Remarks & Keynote Presentations (Venus I & II)					
Meeting Rooms	Venus I	Venus II	Jupiter I	Jupiter II	Jupiter III	Venus III
11:00 - 12:30	Decision Analysis & Methods (1)	Operations Research (1)	Supply Chain Management (1)	Production Planning & Control (1)	Global Manufacturing and Management	Poster Session 1
13:30 - 15:00	Decision Analysis & Methods (2)	Operations Research (2)	Supply Chain Management (2)	Production Planning & Control (2)	Engineering Education and Training	
15:30 - 17:30	Decision Analysis & Methods (3)	Operations Research (3)	Supply Chain Management (3)	Human Factors	Intelligent Systems	
Thu - 8 Dec						
9:00 - 10:30	Keynote Presentation followed by "Meet-the-Editors" Session (Venus I & II)					
Meeting Rooms	Venus I	Venus II	Jupiter I	Jupiter II	Jupiter III	Venus III
11:00 - 12:30	Decision Analysis & Methods (4)	Quality Control & Management (1)	Supply Chain Management (4)	Information Processing and Engineering	Facilities Planning and Management	Poster Session 2
13:30 - 15:00	Decision Analysis & Methods (5)	Project Management (1)	Supply Chain Management (5)	Technology and Knowledge Management (1)	Engineering Economy and Cost Analysis	
15:30 - 17:30	Manufacturing Systems (1)	Project Management (2)	Safety, Security & Risk Management	Technology and Knowledge Management (2)	Service Innovation and Management	
Fri - 9 Dec						
Meeting Rooms	Venus I	Venus II	Jupiter I	Jupiter II	Jupiter III	Venus III
8:30 - 10:30	E-Business and E-Commerce	Quality Control & Management (2)	Reliability and Maintenance Engineering (1)	Technology and Knowledge Management (3)	Systems Modeling and Simulation (1)	Poster Session 3
11:00 - 13:00	Manufacturing Systems (2)	Quality Control & Management (3)	Reliability and Maintenance Engineering (2)	Technology and Knowledge Management (4)	Systems Modeling and Simulation (2)	

Oral Presentations

Day 1 - Wednesday, December 07, 2011 / Room Venus I / 11:00 - 12:30		
Decision Analysis & Methods (1) / Chairs: Krzysztof Ostaszewski, Amir Elalouf		
1	IEEM11-P-0083	Profitability Analysis Using Data Envelopment Analysis-Discriminant Analysis: an Empirical Study Hung-Tso LIN, Yin-Chi HUANG
2	IEEM11-P-0100	Comparison of Neural Network and Regression Techniques for Nonlinear Prediction Problems Usha Anantha KUMAR, Mukta PALIWAL
3	IEEM11-P-0121	A Decision Analysis on Flexible Scale of Green Logistics under Limited Carbon Emission with Real Options Concept Tyrone T. LIN, Mong-Tien CHAN
4	IEEM11-P-0165	Integration Model of Fuzzy C Means Clustering Algorithm and TOPSIS Method for Customer Lifetime Value Assessment Amir Hossein AZADNIA, Muhamad Zamari MAT SAMAN, Kuan Yew WONG, Abdul Rahman HEMDI
5	IEEM11-P-0423	A Modified Algorithm to Find a Representative Capacity with Evenness Consideration for Non-additive Robust Ordinal Regression Roghayeh HEMMATJOU, Nasim NAHAVANDI, Behzad MOSHIRI, Isa Nakhai KAMALABADI
6	IEEM11-P-0410	Established the Evaluation Structure of the Investment Benefit of the "Doubling Tourist Arrivals Plan" in Taiwan Huey-hsi LO, Pam WEN
Day 1 - Wednesday, December 07, 2011 / Room Venus I / 13:30 - 15:00		
Decision Analysis & Methods (2) / Chairs: Yuya Kajikawa, Egon Mueller		
1	IEEM11-P-0224	Analyzing Newsvendor Problems by One-Shot Decision Approaches with Considering Regret Peijun GUO, Yating YANG
2	IEEM11-P-0296	Simplification of Decision Making Matrix in Fuzzy Multiple Attribute Decision Making Zhi PEI, Li ZHENG
3	IEEM11-P-0302	A Petri Net Approach to Resource Allocation in Brand Management Systems Hongwei LIAO, Min LU
4	IEEM11-P-0116	Optimal Determination of Simulated Annealing Parameters using TOPSIS Fateme FOTUHI
5	IEEM11-P-0169	Merger and Acquisition Decisions Analysis with Sustainability Operation Concept Tyrone T. LIN, Yi-Shun HUANG
6	IEEM11-P-0462	Simulation-Based Operational Decision Analysis at Decoupling Point in MTS-MTO System Feng Yu WANG, Laura Xiao Xia XU, Ronald LIM, E.D. LEE, Michael ZARZYCKI
Day 1 - Wednesday, December 07, 2011 / Room Venus I / 15:30 - 17:30		
Decision Analysis & Methods (3) / Chairs: Yves De Smet, Ching-Yu Lien		
1	IEEM11-P-0135	Applying Green Goodwill for Project Management on Green Economics Concept Tyrone T. LIN, Wei-Cheng WU
2	IEEM11-P-0466	A Fuzzy-based Integrated Framework for Monitoring Stochastic Demand in a Supply Chain Environment Henry LAU, Premaratne SAMARANAYAKE, Dilupa NAKANDALA
3	IEEM11-P-0442	A Multicriteria Decision Model for Managing Business Processes Ana Carolina CAMPOS, Adiel ALMEIDA
4	IEEM11-P-0566	Reducing Violence: A Proposal Based on Multicriteria SMARTS Method Andre GURGEL, Caroline MOTA, Dario ALOISE
5	IEEM11-P-0443	Selection and Ranking of Improvement Approaches in Construction Companies: SMARTS Method Renata Maciel de MELO, Denise MEDEIROS, Adiel ALMEIDA
6	IEEM11-P-0679	Innovative Support of Creation by Analogy-based Searching of Potential Needs Takayuki SUZUKI, Taro TEZUKA, Atsushi AOYAMA, Fuminori KIMURA, Akira MAEDA
7	IEEM11-P-0304	Insurance Pricing, Reinsurance and Investment Decision Based on the Mutual Benefit of the Insurer and the Customer Hong MAO, Krzysztof M. OSTASZEWSKI
8	IEEM11-P-0280	Enhancing Tool Availability in the Forging Industry by Adjusting PPC and Tool Maintenance Anis SELAOUTI, Sven BAUMGARTEN, Jens-Michael POTTHAST, Rouven NICKEL
Day 1 - Wednesday, December 07, 2011 / Room Venus II / 11:00 - 12:30		
Operations Research (1) / Chairs: Mohamed K Omar, Arik Sadeh		
1	IEEM11-P-0103	Robust Optimization for Resource-constrained Project Scheduling with Uncertain Activity Durations Roel LEUS, Christian ARTIGUES, Fabrice TALLA NOBIBON
2	IEEM11-P-0476	EPSO for Solving Non-oriented Two-dimensional Bin Packing Problem Mohamed K. OMAR, Kumaran RAMAKRISHNAN
3	IEEM11-P-0163	Equivalent Relationships of Problem Formulations Optimizing Forecast Accuracy Xue-Ming YUAN, Wee Meng YEO, Joyce M.W. LOW

4	IEEM11-P-0325	Multi-heuristics Based Genetic Algorithm for Solving Maritime Inventory Routing Problem	Nurhadi SISWANTO, Daryl ESSAM, Ruhul SARKER
5	IEEM11-P-0504	A Heuristic Algorithm for Substrates Testing in MCM	Keisuke MURAKAMI
6	IEEM11-P-0044	Nash Equilibrium Retail Prices in a Linear Duopoly Market	Koichi NAKADE, Tomoki HAMAGUCHI
7	IEEM11-P-0337	Cross Docking Scheduling with Delivery Time Window and Temporary Storage	Dwi AGUSTINA, Carman Ka Man LEE, Rajesh PIPLANI
Day 1 - Wednesday, December 07, 2011 / Room Venus II / 13:30 - 15:00			
Operations Research (2) / Chairs: Romeo Marian, Noor Hasnah Moin			
1	IEEM11-P-0525	A Stochastic Formulation of Successive Software Releases with Faults Severity	Ompal SINGH, Pramod Kumar KAPUR, Adarsh ANAND
2	IEEM11-P-0360	Capacitated Hub Location Problems with Waiting Time at Hubs	Arsham ATASHI, Mostafa ABEDZADEH
3	IEEM11-P-0457	Evaluation on Operation Management of Cascade Hydropower Stations	Y. ZHENG, X.D. FU, Jia Hua WEI, Xiang LI
4	IEEM11-P-0140	A Review of Data Envelopment Analysis Models for Handling Data Variations	Chuen Tse KUAH, Kuan Yew WONG
5	IEEM11-P-0197	Order Batching and Picking in a Synchronized Zone Order Picking System	Li PAN, Joshua Zhexue HUANG, Sydney C. K. CHU
6	IEEM11-P-0301	Evacuation Route Scheduling Using Discrete Time-Based Capacity-Constrained Model	Mojahid F. Saeed OSMAN, Bala RAM
Day 1 - Wednesday, December 07, 2011 / Room Venus II / 15:30 - 17:30			
Operations Research (3) / Chairs: Xue-Ming Yuan, Mojahid Saeed Osman			
1	IEEM11-P-0430	A Hospital Admission Planning Model for Emergency and Elective Patients Under Stochastic Resource Requirements and No-shows	Phongchai JITTAMAI, Thirapan KANGWANSURA
2	IEEM11-P-0440	Multi-processor Job Shop Scheduling with Due Windows	Rong-Hwa HUANG, Shun-Chi YU
3	IEEM11-P-0472	Spreadsheet Approach for Solving Complex Flowshop Scheduling Problems	Mohamed K. OMAR
4	IEEM11-P-0506	A Pseudo-Efficient Frontier Method for Solving Two-Phase Packing Problems	David RAZ, Arik SADEH
5	IEEM11-P-0550	Moral Hazard Resolved in Communication for S4n-Logic	Takashi MATSUHISA
6	IEEM11-P-0536	Optimization of Multi Periods Inventory Routing Problem Model with Time Varying Demand	Noor Hasnah MOIN
7	IEEM11-P-0139	A Math-heuristic Approach for Integrated Resource Scheduling in a Maritime Logistics Facility	HuaXing CHEN, Hoong Chuin LAU
8	IEEM11-P-0395	A Tabu Search Algorithm for Integrated Inventory and Vehicle Routing Problem in One Depot and Multicustomers Distribution System	Anchalee SUPITHAK
Day 1 - Wednesday, December 07, 2011 / Room Jupiter I / 11:00 - 12:30			
Supply Chain Management (1) / Chairs: Niak Wu Koh, Md. Mamun Habib			
1	IEEM11-P-0033	Effective Design of the Construction Supply Chain: A Case of Small Buildings in Thailand	Sataporn AMORNSAWADWATANA
2	IEEM11-P-0086	Simply Structured Policies for a Dynamic Pricing Problem with Constant Price Elasticity Demand	Chia-Shin CHUNG, James FLYNN
3	IEEM11-P-0104	Governance Mode in Reverse Logistics: a Research Framework	Qing LU, Mark GOH, Robert De SOUZA
4	IEEM11-P-0585	Developing an Improved Particle Swarm Optimization Algorithm for Solving the Inventory Routing Problem with Direct Shipment	Isa Nakhai KAMALABADI, Seyed Hessameddin ZEGORDI, Ali HOSSEIN MIRZAEI
5	IEEM11-P-0249	Risks Assessment of Lower Tier Suppliers Using Operational Reliabilities and Product Availabilities	Gopal AGARWAL, Piyush SINGHAL, Murari Lal MITTAL
6	IEEM11-P-0028	EOQ Model Development for Perishable Items under Stock Dependent Demand and Time Dependent Partial Backlogging by Using Intelligent Packaging	Narges KHANLARZADE, Isa Nakhai KAMALABADI, Babak YOUSEFI YEGANE
7	IEEM11-P-0131	A Study on Lean Supply Chain Performance Measures of SMEs in the Automotive Industry	Farzad BEHROUZI, Kuan Yew WONG, Farshad BEHROUZI
Day 1 - Wednesday, December 07, 2011 / Room Jupiter I / 13:30 - 15:00			
Supply Chain Management (2) / Chairs: Weidong Lin, Virgilio Cruz-Machado			

1	IEEM11-P-0091	An Exploratory Research on Educational Supply Chain Management	Md. Mamun HABIB, Veena TEWARI, VVR RAMAN
2	IEEM11-P-0479	Production and Distribution Planning Model for Hinterland Supply Chain	Shi Tao ZHAO, Xue-Ming YUAN, Shih Fu LING
3	IEEM11-P-0540	The Application of Vendor Managed Inventory in the Supply Chain Inventory Model with Probabilistic Demand	Yosi Agustina HIDAYAT, Ika DEEFI ANNA, Arlene KHRISNADEWI
4	IEEM11-P-0601	A Logistics Execution Method for the Regional Distribution Center	Yuan-Kuei HUANG, Wei-Jun LU, Jun-Der LEU
5	IEEM11-P-0624	Research on Measuring Method of Supply Chain Resilience Based on Biological Cell Elasticity Theory	Ying SHUAI, Xiping WANG, Lindu ZHAO
6	IEEM11-P-0640	Critical Success Factors of Total Productive Maintenance Implementation: A Review	Kam-Choi NG, Gerald Guan Gan GOH, Uchenna Cyril EZE

Day 1 - Wednesday, December 07, 2011 / Room Jupiter I / 15:30 - 17:30

Supply Chain Management (3) / Chairs: Songlin Chen, Maria Grazia Gnani

1	IEEM11-P-0162	Designing the Optimal Strategies for Supply Chain Financing under Warehouse Receipt Pledging with Credit Line	Nina YAN, Tian TIAN
2	IEEM11-P-0205	A Framework for Integrated Assessment of Sustainable Supply Chain Management	Farzad DEGHANIAN, Saeed MANSOUR, Mahboobeh NAZARI
3	IEEM11-P-0348	A Multiobjective Evolutionary Approach for Integration of Location-Inventory and Vendor Selection Decisions	Chia-Lin HSIEH
4	IEEM11-P-0293	Selection of Distribution Centers with the Time Value of Money and the Loyal Customer Effect	Alireza AMINI, Reza TAVAKKOLI-MOGHADDAM, Armand BABOLI
5	IEEM11-P-0571	Coffee Waste Management. A Case Study	Virginia MACHADO, Ana Paula BARROSO, Carolina SANTOS, Virgilio CRUZ-MACHADO
6	IEEM11-P-0562	A Buffer Stock Model to Ensure Price Stabilization and Availability of Seasonal Staple Food by Empowering Producer Using Warehouse Receipt System	Wahyudi SUTOPO, Senator NUR BAHAGIA, Andi CAKRAVASTIA, TMA ARISAMADHI
7	IEEM11-P-0334	Conceptual Model for Information Systems of Sustainable Supply Chain Management	Majid AARABI, Muhamad Zameri MAT SAMAN, Mohammad Reza KHOEI, Kuan Yew WONG, Hooshang M. BEHESHTI, Norhayati ZAKUAN
8	IEEM11-P-0190	Using an Artificial Neural Network and a Mathematical Model for Sugarcane Harvesting Scheduling	Surached THUANKAEWSING, Supachai PATHUMNAKUL, Kullapapruk PIEWTHONGNGAM

Day 1 - Wednesday, December 07, 2011 / Room Jupiter II / 11:00 - 12:30

Production Planning & Control (1) / Chairs: Suksan Prombanpong, Fazleena Badurdeen

1	IEEM11-P-0191	Optimum Quantities of Make and Buy in Multi-Item Manufacturing Firms with Restriction in Production Capacity	Mohammadal A. Pirayesh NEGHAB, Saeed POORMOAIED
2	IEEM11-P-0194	Study and Application of Scheduling Method for Just-in-time Production in Flexible Job Shops	Wei WENG, Shigeru FUJIMURA
3	IEEM11-P-0126	Order Selection of Processed Chicken under Production Capacity Constraints	Pachara CHATAVITHEE, Kullapapruk PIEWTHONGNGAM, Supachai PATHUMNAKUL
4	IEEM11-P-0161	Clustering Variables Selection in Mass Customized Scenarios Affected by workers' Learning	Michel ANZANELLO, Flavio FOGLIATTO
5	IEEM11-P-0282	Interactive Online Process Management and Quality Control for Cross-Sited Production Process Chains	Peter BECKER, Robert SCHMITT
6	IEEM11-P-0357	Periodic Virtual Cell Manufacturing (P-VCM) - Concept, Design, and Operation	Jannes SLOMP, Dimitry KRUSHINSKY, Rahul CAPRIHAN
7	IEEM11-P-0111	A Novel Virtual Design Platform for Product Innovation Through Customer Involvement	XINGYU CHEN, CHUN-HSIEN CHEN, KAH FAI LEONG

Day 1 - Wednesday, December 07, 2011 / Room Jupiter II / 13:30 - 15:00

Production Planning & Control (2) / Chairs: Jannes Slomp, Seyyed Mohammad Taghi Fatemi Ghomi

1	IEEM11-P-0391	Adaptive Scheduling by Means of Product-specific Emergence Data	Gunther REINHART, Florian GEIGER
2	IEEM11-P-0413	A Worker Assignment for Machine Cluster in the Manufacturing Cell	Suksan PROMBANPONG, Waraporn SEENPIPAT

3	IEEM11-P-0556	Optimal Production Policy of Production System with Inventory-level-dependent Demand in Segmented Market	Yogender SINGH, Kuldeep CHAUDHARY, P.C. JHA
4	IEEM11-P-0582	Heuristic Decomposition and LP-based Scheduling in Make-and-Pack Production	Philipp BAUMANN, Norbert TRAUTMANN
5	IEEM11-P-0635	Robust Optimization Model for Fan Coil Production Planning under Supply Uncertainty	Jamshid NAZEMI, Roja ZAKERI
6	IEEM11-P-0659	An Application of Network Topology to Understand The Signal in Process Variability: A Case Study in Petrochemical Industry	Shamshuritawati SHARIF, Maman DJAUHARI

Day 1 - Wednesday, December 07, 2011 / Room Jupiter II / 15:30 - 17:30

Human Factors / Chairs: Jan Pieter Clarys, Mohammed-Aminu Sanda

1	IEEM11-P-0053	Monitoring and Classifying Evidence-Based Workload for Profiling Manual Handling Occupations	Jan Pieter CLARYS, Jonathan TRESIGNIE, Aldo SCAFOGLIERI, Erik CATTRYSSE
2	IEEM11-P-0087	Measurement of Handgrip Force of the Dominant Hand at Pre-selected Force Levels for Males	Kai-Way LI
3	IEEM11-P-0095	Lumbosacral Bending Moment Assessment and Parameter Optimization Using Taguchi Design during Lifting Task in a Steel Rolling Mill	Sarbjeet SINGH, Sunand KUMAR
4	IEEM11-P-0148	A Perspective on Human Factors Contributing to Quality Requirements: a Cross-case Analysis	Annize MARNEWICK, H. C. PRETORIUS, Leon PRETORIUS
5	IEEM11-P-0172	Occupational Stress, Knowledge Sharing and GSD Communication Barriers as Predictors of Software Engineer's Creativity	Aamir AMIN, Shuib Bin BASRI, Mohd Fadzil HASSAN, Mubashir REHMAN
6	IEEM11-P-0270	Miners' Tacit Knowledge: A Unique Resource for Developing Human-oriented Lean Mining Culture in Deep Mines	Mohammed Aminu SANDA, Jan JOHANSSON, Bo JOHANSSON
7	IEEM11-P-0279	Identifying the Meaning of Information Signs in Traffic Facilities	Hsien-Yu TSENG, Bor-Shong LIU
8	IEEM11-P-0303	Analysis of Design and Purchase Decision of Central Dust Collection System	Yeasin BHUIYAN, AI KHAN

Day 1 - Wednesday, December 07, 2011 / Room Jupiter III / 11:00 - 12:30

Global Manufacturing and Management / Chairs: Alan Pilkington, Shin-Guang Chen

1	IEEM11-P-0078	Role of Knowledge Management in World Class Manufacturing: an Empirical Investigation	Abhijeet DIGALWAR, Kuldeep Singh SANGWAN
2	IEEM11-P-0690	Statistical Quality Control Measurement on Furniture Manufacturer	LAURENCE, Christine PUTERI UTAMA, Jessica HANAFI
3	IEEM11-P-0454	The Influence of Geothermal Environment to the Quality of Porcelain Insulator: A Correlation Analysis	Syahidah YUSOFF, Maman DJAUHARI
4	IEEM11-P-0429	Learning Organisation in New Zealand and Malaysian Manufacturing Companies	Affandi MOHD-ZAINAL, Jane GOODYER, Nigel GRIGG, Jafri Mohd ROHANI
5	IEEM11-P-0542	Integration of Production and Supply Chain Strategic Planning for Renewable Resources under Sustainability Considerations: Teakwood Case Study	Bobby KURNIAWAN, Muhammad HISJAM, Wahyudi SUTOPO
6	IEEM11-P-0114	On Work Performance for the Labor-intensive Manufacturing	Shin-Guang CHEN

Day 1 - Wednesday, December 07, 2011 / Room Jupiter III / 13:30 - 15:00

Engineering Education and Training / Chairs: Seng Fat Wong, Richard Fung

1	IEEM11-P-0060	In House Industrial Training for Mechanical Engineering Students: a Multidisciplinary Approach	SK LI, KK LAU, Vincent LI
2	IEEM11-P-0129	RFID-Aided Manufacturing Training System and Localization	Seng Fat WONG, W. I. HO, Zhixin YANG, C. T. KWOK
3	IEEM11-P-0335	Students' Experiences in Different Forms of Support during Doctoral Studies	Katja LAHENIUS, Salla MÄÄTTÄ
4	IEEM11-P-0515	Educational Game Concept for the Transfer of Results from the Transdisciplinary Research to the New Scientific Generation	Florian G. H. BEHNCKE, Moritz KING, Udo LINDEMANN
5	IEEM11-P-0240	Quantitative Analysis of International Mobility of Robotics Researchers and Characteristics of Domestic Robotics Research	Takao FURUKAWA, Nobuyuki SHIRAKAWA, Kumi OKUWADA, Kazuya SASAKI

6	IEEM11-P-0721	Green Design Principles and Trends of Using Them among Bangladeshi Consumer Goods Manufacturers	Md. Shahriar Jahan HOSSAIN, Nafis AHMAD
Day 1 - Wednesday, December 07, 2011 / Room Jupiter III / 15:30 - 17:30			
Intelligent Systems / Chairs: Nan Chen, R. J. Kuo			
1	IEEM11-P-0633	Evolutionary-Based Support Vector Machine	R. J. KUO, C. M. CHEN
2	IEEM11-P-0670	The Effectiveness of Hybrid Negative Correlation Learning in Evolutionary Algorithm for Combinatorial Optimization Problems	Ronnachai SIROVETNUKUL, Parames CHUTIMA, Warin WATTANAPORNPROM, Prabhas CHONGSTITVATANA
3	IEEM11-P-0552	A New Guillotine Placement Heuristic Combined with an Improved Genetic Algorithm for the Orthogonal Cutting-Stock Problem	Slimane ABOU MSABAH, Ahmed Riadh BABA-ALI
4	IEEM11-P-0343	Intelligent System for Wind Generating Plant	Yoko AMANO
5	IEEM11-P-0306	Collaborative and Non-Collaborative Dynamic Path Prediction Algorithm for Mobile Agents Collision Detection with Dynamic Obstacles in a Two-dimensional Space	Elmir BABOVIC
6	IEEM11-P-0342	Component-Integrated Sensors and Communication for Gentelligent Devices	Ludger OVERMEYER, Lutz RISSING, Marc C. WURZ, Michael DUMKE, Stefan FRANKE, Tim GRIESBACH, Alexander BELSKI
7	IEEM11-P-0501	Data Mining Application for Customer Segmentation Based on Loyalty: An Iranian Food Industry Case Study	Ali HAJIHA, Reza RADFAR, Samira Sarafi MALAYERI
8	IEEM11-P-0629	Technology and Knowledge Sharing Strategy in Systems Engineering Practice performed by Indonesian Expatriate Engineers	Ika WINDIARTI, Timothy FERRIS, Matthew BERRYMAN
Day 2 - Thursday, December 08, 2011 / Room Venus I / 11:00 - 12:30			
Decision Analysis & Methods (4) / Chairs: Usha Ananthakumar, Feng-Chia Li			
1	IEEM11-P-0405	Genetic Algorithm for the Project Scheduling Problem with Fuzzy Time Parameters	Yilun HUANG, Yongyi SHOU, Linda ZHANG
2	IEEM11-P-0684	Detection and Improvement of Deficiencies and Failures in Public- Transportation Networks using Agent-Enhanced Distribution Data Mining	Eugene LEVNER, Avishai CEDER, Amir ELALOUF, Yuval HADAS, Dvir SHABTAY
3	IEEM11-P-0336	Forecasting the Exchange Rate between ASEAN currencies and USD	Tien-Chin WANG, Su-Hui KUO, Hui-Chen CHEN
4	IEEM11-P-0305	Pricing Annuity Insurance Integrating Mortality Improvement Risk, Interest Rate Risk, Insolvency Risk and Insurance Demand	Hong MAO, Krzysztof M. OSTASZEWSKI, Yuling WANG
5	IEEM11-P-0341	Possibilistic Programming Decision Making in Modality Perspective	Arbaiy NUREIZE, Junzo WATADA
6	IEEM11-P-0394	Towards a Lifecycle-oriented Planning of a Platform Portfolio	Sebastian A. SCHENKL, Robert ORAWSKI, Fatos ELEZI, Udo LINDEMANN
Day 2 - Thursday, December 08, 2011 / Room Venus I / 13:30 - 15:00			
Decision Analysis & Methods (5) / Chairs: Szu Hui Ng, Ronnachai Sirovetnukul			
1	IEEM11-P-0040	About Combined Non-expansive and Potential Expansive Properties of A Class of Self-Maps in Metric Space	Manuel DE LA SEN
2	IEEM11-P-0379	A Preliminary Study About the Application of Multicriteria Decision Aid to the Evaluation of the Road Projects' Performance on Sustainable Safety	Renaud SARRAZIN, Yves DE SMET
3	IEEM11-P-0563	Exploration of Product Value - Characteristic Relationship: Partial Least Squares Path Modeling for Product Design and Development	Chathura WITHANAGE, Taezoon PARK, Truong Ton Hien DUC, Hae-Jin CHOI
4	IEEM11-P-0603	Comparison between Regression Analysis and Artificial Neural Network in Project Selection.	Oludolapo OLANREWAJU, Adisa JIMOH, Pulek KHOLOPANE
5	IEEM11-P-0628	Application of TOPSIS Method for Evaluating the Temporal Dimensions of Marand City in Urban Design	Maliheh HASHEMI, Mehdi AMIRI-AREF
6	IEEM11-P-0134	Production and Raw Material Ordering Management for a Manufacturing Supply Chain with Uncertainties	Wei XU, Dongping SONG, Michael ROE
7	IEEM11-P-0255	Features Selection Approaches Combined with Effective Classifiers in Credit Scoring	Chia-Ching LIN, Chin-Chih CHANG, Feng-Chia LI, Tzn-Chin CHAO

Day 2 - Thursday, December 08, 2011 / Room Venus I / 15:30 - 17:30		
Manufacturing Systems (1) / Chairs: Zhaotong Lian, Jannes Slomp		
1	IEEM11-P-0318	Integrated Optimisation of Facilities Layout and Material Handling System Dhamodharan RAMAN
2	IEEM11-P-0549	Model of Spine Configuration Assembly Line Design for a Product Family Dida DAMAYANTI, Isa Setiasyah TOHA
3	IEEM11-P-0412	Multi-objective Assembly Line Balancing Problem with Bounded Processing Times, Learning Effect, and Sequence-dependent Setup Times Nima HAMTA, Seyyed Mohammad Taghi FATEMI GHOMI, M. HAKIMI-ASIABAR, P. HOOSHANGI TABRIZI
4	IEEM11-P-0611	Optimization and Modeling of Turning Process for Aluminium - Silicon Carbide Composite Using Artificial Neural Network Models R. JEYAPPAUL, S. SIVASANKAR
5	IEEM11-P-0591	A Framework for Evaluating Lean Implementation Appropriateness Diogo AURELIO, Antonio GRILO, Virgilio CRUZ-MACHADO
6	IEEM11-P-0365	Measuring Efficiency of Production Lines Based on Maintenance Factors ; Using DEA Sahar ABBASI, Hadi SHIROUYEHZAD
7	IEEM11-P-0310	Comfort Study of Work Environment of Apparel Industry Randika Kosala WATHAVANA VITHANAGE, Nimesha VILASINI, Janaka GAMAGE
8	IEEM11-P-0031	Hybrid Solving Algorithm for Complex Machine Scheduling Problem J. BEHNAMIAN, Seyyed Mohammad Taghi FATEMI GHOMI, M. ZANDIEH
Day 2 - Thursday, December 08, 2011 / Room Venus II / 11:00 - 12:30		
Quality Control & Management (1) / Chairs: Amirhossein Amiri, Hendry Raharjo		
1	IEEM11-P-0500	Developing a Framework for Six Sigma in Financial Service Institutions - Empirical Evidence from Expert Interviews Ayon CHAKRABORTY, Michael LEYER
2	IEEM11-P-0652	Improve Burnishing Formation Yield Applying Design For Six Sigma Jianjun WU, Yizhen WANG, Qizhong ZHANG, Pengpeng HUANG
3	IEEM11-P-0456	Robust Monitoring of Process Mean Vector in Female Shrouded Connector Production: An Experience in Malaysia Rohayu MOHD SALLEH, Maman DJAUHARI
4	IEEM11-P-0077	Research of Relationship between Tolerance Allocation and Machine Movement Chain Jiping LU, Shuiyuan TANG, Guanghe LU, Hao SONG
5	IEEM11-P-0093	Implementation of Overall Equipment Effectiveness in Wire Mesh Manufacturing Ratapol WUDHIKARN
6	IEEM11-P-0232	Strategic Management of the Triple Constraint Trade-off Dynamics - a Polarity Management Approach C. Jurie VAN WYNGAARD, H. C. PRETORIUS, Leon PRETORIUS
Day 2 - Thursday, December 08, 2011 / Room Venus II / 13:30 - 15:00		
Project Management (1) / Chairs: Leon Pretorius, Norbert Trautmann		
1	IEEM11-P-0638	Total Productive Maintenance in a Semiconductor Manufacturing Firm: An Empirical Analysis Kam-Choi NG, Gerald Guan Gan GOH, Uchenna Cyril EZE
2	IEEM11-P-0284	Innovation Project Portfolio Management: the Case of Philips Research Sergey FILIPPOV, Herman G. MOOI
3	IEEM11-P-0290	Project Risk Management: a New Approach Stefan CREAMERS, Erik DEMEULEMEESTER, Stijn VAN DE VONDER
4	IEEM11-P-0298	Exploring Close-optimal Solutions for the Time Constrained Scheduling Problem in Project Management Christos KIRIKLIDIS, Konstantinos KIRYTOPOULOS, Elena ROKOU
5	IEEM11-P-0313	Application of Real Options in Project Portfolio Selection Chengchao WANG, Yongyi SHOU
6	IEEM11-P-0075	Risk Factors Influencing Time and Cost Overrun in Multiple D&B Projects in Malaysia: a Case Study Ramanathan CHIDAMBARAM, Narayanan SAMBU POTTY, Arazi BIN IDRUS
Day 2 - Thursday, December 08, 2011 / Room Venus II / 15:30 - 17:30		
Project Management (2) / Chairs: Ayon Chakraborty, Anil Varma		
1	IEEM11-P-0209	Do Project Managers Need an Operations Research Support Indeed?(A Survey on Polish Project Managers Attitude towards Operations Research Methods and Tools) Tomasz BLASZCZYK
2	IEEM11-P-0259	Dynamic Fuzzy Comprehensive Evaluation of Contract Management in Project Department Yunna WU, Yong HUANG, Wenjun CHEN
3	IEEM11-P-0314	Particle Swarm Optimization for Preemptive Project Scheduling with Resource Constraints Fei LI, Changtao LAI, Yongyi SHOU

4	IEEM11-P-0411	An Optimization Model for the Control of Complex Turnkey Projects in Plant Engineering	Egon MUELLER, Ralph RIEDEL, Manuela KRONES, Henrik VAY
5	IEEM11-P-0446	Team Communications and Academic R&D Performance: A Case of National Telecommunication Program of Taiwan	Chia-Liang HUNG, Jerome Chih-Lung CHOU, Shan-Jan KUO
6	IEEM11-P-0524	Prioritizing Activities on a Building Site Project	Luciana ALENCAR, Adiel ALMEIDA, Caroline MOTA
7	IEEM11-P-0528	A Multi-Objective Optimization and Fuzzy Prioritization Approach for Project Risk Responses Selection	Ebrahim REZAAE NIK, Seyed Hessameddin ZEGORDI, Ahad NAZARI
8	IEEM11-P-0673	A Serial Scheme for Minimizing the Duration of Resource-Constrained Projects within Microsoft Project	Norbert TRAUTMANN, Gianluca BRANDINU
Day 2 - Thursday, December 08, 2011 / Room Jupiter I / 11:00 - 12:30			
Supply Chain Management (4) / Chairs: Mei Qi, Jun-Der Leu			
1	IEEM11-P-0266	Reverse Logistics: Implementation in the Industrial Sector of Ecuador	Arun KUMAR, Christian VELOZ, Roesfiansjah RASJIDIN
2	IEEM11-P-0264	Performance-based MRO Service Contracts with Two Customer Classes	Niak Wu KOH, Roland Y. G. LIM
3	IEEM11-P-0218	An Effective Heuristic for Yard Template Design in Land-Scarce Container Terminals	Mingkun LI, Shiyong LI
4	IEEM11-P-0212	How the Effect of Country-of-Origin on Store Brand Moderates Customer	Yung-Hsin CHEN, Shuo-Chang TSAI, Yi-Shuang WU, Shu-Min LI
5	IEEM11-P-0157	Information Sharing in Supply Chain: Modeling the Barriers	A. A. PUJARA, R. KANT, M. D. SINGH
6	IEEM11-P-0063	Service Impact on Customer Demand and Member Profit in a Supply Chain	Rasul JAMSHIDI, Seyyed Mohammad Taghi FATEMI GHOMI
Day 2 - Thursday, December 08, 2011 / Room Jupiter I / 13:30 - 15:00			
Supply Chain Management (5) / Chairs: Qing Lu, R. Kant			
1	IEEM11-P-0569	The Resilience Paradigm in the Supply Chain Management: A Case Study	Ana Paula BARROSO, Virginia MACHADO, Virgilio CRUZ-MACHADO
2	IEEM11-P-0541	Minimizing the Vulnerabilities of Supply Chain: A new Framework for Enhancing the Resilience	Umang SONI, Vipul JAIN
3	IEEM11-P-0539	Reducing Risk in Supply Chains with Forecasting - An Analysis	Richard LACKES, Markus SIEPERMANN
4	IEEM11-P-0415	A Supply Chain Coordination Mechanism with Credit Option Contract Considering Backordered Demand of Customer	Reza HASANI, Farid KHOSHALHAN
5	IEEM11-P-0330	An Effective Lean Supply Inventory Management Model using VMI Hub	WEIDONG LIN
6	IEEM11-P-0074	A New Approach in Supply Chain Modeling	M. PAZOKI, Seyyed Mohammad Taghi FATEMI GHOMI, Fariborz GOLAI
Day 2 - Thursday, December 08, 2011 / Room Jupiter I / 15:30 - 17:30			
Safety, Security & Risk Management / Chairs: Kai-Way Li, Paolo Trucco			
1	IEEM11-P-0166	Management Process Quality and Safety at Organizational Level (a Case Study at an International Airport)	Mohammad SHAHRIARI, Lennie EDMAN, K. HAMDANI, Pedro AREZES
2	IEEM11-P-0203	Emergency Exposure Limits for Toxic Chemicals in Major Hazard Installations of China	Hui CUI
3	IEEM11-P-0216	Optimal Risk Response Plan of Project Risk Management	Amnon GONEN
4	IEEM11-P-0434	Modeling a Constraint-based Design Risk Management Tool: An Empirical Study for Collaborative Product Design	Jian RUAN, Sheng Feng QIN
5	IEEM11-P-0526	IT Can Improve Healthcare Management for Patient Safety - Minimizing risk of blood transfusion with Point-of-Act-System -	Masanori AKIYAMA, Atsushi KOSHIO
6	IEEM11-P-0527	Occupational Safety & Health (OSH) Performance of SMEs: A Structured Framework	Enrico CAGNO, Guido Jacopo Luca MICHELI, Celeste JACINTO, Donato MASI
7	IEEM11-P-0533	A Clustering Approach to the Operational Resilience Analysis of Key Resource Supply Chains (KRSC): the Case of Fast Moving Consumer Goods	Paolo TRUCCO, David WARD

8	IEEM11-P-0035	Electrostatic Hazards of Polypropylene Powders in the Fluidized Bed Reactor	Choi KWANGSEOK, K.T. MOON, J.H. CHUNG, X. BI, J. R. GRACE
Day 2 - Thursday, December 08, 2011 / Room Jupiter II / 11:00 - 12:30			
Information Processing and Engineering / Chairs: Bouchaib Bahli, Shieuhong Lin			
1	IEEM11-P-0586	Coordinating Time-Constrained Multi-Agent Resource Sharing with Fault Detection	Shieu-Hong LIN
2	IEEM11-P-0340	A Method for Identifying Process Reuse Opportunities to Enhance the Operating Model	Marne De VRIES, Alta Van Der MERWE, Paula KOTZE, Aurora GERBER
3	IEEM11-P-0631	Dynamic Partitioning for Enterprise Applications	Martin GRUND, Jens KRUEGER, Juergen MUELLER, Alexander ZEIER
4	IEEM11-P-0267	Pitfalls of Information Technology Management Systems	Raj SIRIRAM
5	IEEM11-P-0547	Fuzzy Hierarchical Clustering based on Fuzzy Dissimilarity	YaQiong LV, Carman Ka Man LEE
6	IEEM11-P-0368	A Comparison of Technology Trajectories between the Global and the United States in Smart Grid	Siou-Zih LIN, Ssu-Han CHEN, Chun-Chieh WANG, Dar-Zen CHEN
Day 2 - Thursday, December 08, 2011 / Room Jupiter II / 13:30 - 15:00			
Technology and Knowledge Management (1) / Chairs: Chien-Liang Kuo, Suli Zheng			
1	IEEM11-P-0287	Knowledge Management Implementation: Analytic Hierarchy Process Methodology	R. KANT, A. ANAND, D. P. PATEL, M. D. SINGH
2	IEEM11-P-0057	Shared Resources, Capabilities and Inclusive Growth of Clustered SMEs: A Multiple Case Study in China	Yilin FAN, Guowei WAN
3	IEEM11-P-0132	Applying K-means Clustering and Technology Map in Asia Pacific-Semiconductors Industry Analysis	Chin Yuan FAN, M. F. LAI, T. Y. HUANG, C. M. HUANG
4	IEEM11-P-0317	Roadmapping an Emerging Technology in Clean Energy Industry: A Case Study of Dimethyl Ether Development in China	Yuan ZHOU, Guannan XU, Jun SU, Tim MINSHALL, Qiang ZHI
5	IEEM11-P-0331	Structure of International Research Collaboration in Wind and Solar Energy	Ichiro SAKATA, Hajime SASAKI, Toshihiro INOUE
Day 2 - Thursday, December 08, 2011 / Room Jupiter II / 15:30 - 17:30			
Technology and Knowledge Management (2) / Chairs: Harm-Jan Steenhuis, Mohammed-Aminu Sanda			
1	IEEM11-P-0226	A Methodology for Tracking the Impact of Changes in (re)Designing of the Industrial Complex Product	Nattawat JANTHONG
2	IEEM11-P-0451	Dynamic Interactions between Knowledge Creation and Resource Mobilization in R&D Management: A Case of the Inkjet Innovation in Japan	Ken HASHIMOTO, Shuzo FUJIMURA
3	IEEM11-P-0487	Evaluation of the Sci-tech Service Industry Based on PCA---- A Demonstration Study of 30 Provinces in China	Hongtao YANG, Huiling HUANG
4	IEEM11-P-0596	Using Methodologies to Embed Knowledge into the Information Systems Development Process: An Investigation into the IT Sector in China	Younes BENSLIMANE, Zijiang YANG
5	IEEM11-P-0210	The Impact of Openness on Innovation Performance of China's Firms: from the Perspective of Knowledge Attributes	Xiaoting ZHAO, Liang LIANG
6	IEEM11-P-0662	Measurement and Improvement of Individual e-Business Capability	Chui Young YOON, Byung Hwan KIM
7	IEEM11-P-0180	Relations between Corporate Philanthropy and Antecedent Variables: Based on the Empirical Data	Xueying TIAN
8	IEEM11-P-0312	Key Performance Indicators for Sustainable Manufacturing Evaluation in Automotive Companies	Elita AMRINA, Sha'ri MOHD YUSOF
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Facilities Planning and Management / Chairs: Ching-Tsung Hung, Mahdi Bashiri			
1	IEEM11-P-0201	A Fuzzy Set Covering-Clustering Algorithm for Facility Location Problem	Rashed SAHRAEIAN, Mohammad Sadeq KAZEMI
2	IEEM11-P-0248	The Scenario Based Regret and Min-Max Regret Approach for Location-allocation Model of Distribution Center, with Uncertain Parameters	Mahdi BASHIRI, Amir MOSLEMI
3	IEEM11-P-0286	Warehouse Storage Assignment: the Case Study of Camera and Lense Manufacturer	Chompoonoot KASEMSET, C. RINKHAM

4	IEEM11-P-0388	Simulated Annealing for Solving a Group Layout Design Model of a Dynamic Cellular Manufacturing System	Reza KIA, Reza TAVAKKOLI-MOGHADDAM, Nikbakhsh JAVADIAN, Mohammad KAZEMI, Javad KHORRAMI
5	IEEM11-P-0618	A Multi-Period Facility Location-Relocation Problem in the Presence of a Probabilistic Line Barrier	Mehdi AMIRI-AREF, Nikbakhsh JAVADIAN, Reza TAVAKKOLI-MOGHADDAM, M.Bahador ARYANEZHAD
Day 2 - Thursday, December 08, 2011 / Room Jupiter III / 13:30 - 15:00			
Engineering Economy and Cost Analysis / Chairs: Chia-Liang Hung, Corrado lo Storto			
1	IEEM11-P-0344	Production System with Respect for Variable Quantities for an Economical Electric Vehicle Production	G. SCHUH, Achim KAMPKER, Peter BURGGRAF, Carsten NEE
2	IEEM11-P-0355	Cost-effective Planning of Energy-measurement-systems	Egon MUELLER, Markus BUSCHMANN, Kai-Uwe WONNEBERGER
3	IEEM11-P-0369	A Review on Models and Practical Methods for Economic Evaluation of Occupational Safety and Health (OSH)	Enrico CAGNO, Guido Jacopo Luca MICHELI, Donato MASI, Celeste JACINTO
4	IEEM11-P-0570	Survey on Energy Efficiency Measurements in Heterogenous Facility Logistics Systems	Christian PRASSE, Andreas KAMAGAEW, Sebastian GRUBER, Kathrin KALISCHEWSKI, Stefan SOTER, Michael TEN HOMPEL
5	IEEM11-P-0608	Benchmarking in the Public Service Industry: The Italian Water Service Management Sector	Corrado LO STORTO
6	IEEM11-P-0664	Agent-Based Simulation of Economic Sustainability in Waste-to-Material Recovery	Q.Z. YANG, Y.Z. SHENG, Z.Q. SHEN
Day 2 - Thursday, December 08, 2011 / Room Jupiter III / 15:30 - 17:30			
Service Innovation and Management / Chairs: Suhaiza Zailani, Stephen Zhang			
1	IEEM11-P-0381	The Activities and Typologies in Service Innovation Design and Deployment:A Socio-Technical Perspective on University Based Living Lab	Hung Chih LAI, Kae Kuen HU, Li Wei CHEN
2	IEEM11-P-0499	Service Quality, Brand Image and Price Fairness Impact on the Customer Satisfaction and Loyalty	Chi-Chuan WU, Shu-Hsien LIAO, Yin-Ju CHEN, Wei-Lun HSU
3	IEEM11-P-0523	The Feasibility of System Dynamic Modeling in Value Assessment of Industrial Services	Ville OJANEN, Samuli KORTELAJINEN, Sakari HYPANEN
4	IEEM11-P-0554	Intermediating R&D and Marketing Value Creation by Open Innovation	Shu WANG, Jin CHEN, Fang XIE
5	IEEM11-P-0575	The Connection Between Customer Value Creation and Innovation Strategy: A Proposed Framework and Its Implication in Fashion Products	Chien-Liang KUO, Chien Chiang LIN, Yen-Kwan WU
6	IEEM11-P-0698	Service Innovation for the User Interface of an ATM Catering to the Needs of the Student Community	Girish KRISHNAN, Sanjay KUMAR, Jithin C.R., Vinay V PANICKER, Sridharan R
7	IEEM11-P-0244	Adoption of New Service Development Tools in the Financial Service Industry	Dayu JIN, Kah-Hin CHAI, Kay Chuan TAN
8	IEEM11-P-0382	Identification of Best Practices to Achieve Innovation, Corporate Entrepreneurship and Spinoff in Chilean Companies	Alfonso BASTIAS, Patricio CORTES
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E-Business and E-Commerce / Chairs: Charles Mbohwa, Pei-Lee Teh			
1	IEEM11-P-0106	A Procurement Model in an Electronic Market with Coordination Costs	Jishnu HAZRA, M. MAHADEVAN
2	IEEM11-P-0110	E-business and E-commerce Applications and Trends in the Retailing Sector in Zimbabwe	Charles MBOHWA, Batanai SAMMIE
3	IEEM11-P-0265	MOA and TRA in Social Commerce: An Integrated Model	Pei-Lee TEH, Pervaiz Khalid AHMED
4	IEEM11-P-0375	The Effects of Psychological Factors on Online Consumer Behavior	Shu-Hsien LIAO, Yu-Chun CHUNG
5	IEEM11-P-0511	The Research on Relationships between Customers' Perceived Value and Repurchase Intention	Yiming XIANG, Lili LI, Xin ZHONG
6	IEEM11-P-0641	Information Architecture for Online Review System	G. RAJESRI, P. Laras AYUTIRTA
7	IEEM11-P-0262	DMTT - An Approach for Business Document Mapping and Transformation in B2B Collaboration	Wen Jing YAN, Chong Minsk GOH, Puay Siew TAN, Valliappan RAMASAMY
8	IEEM11-P-0448	Influencing Factors of Consumer Intention towards Web Group Buying	Guobiao XIE, Jie ZHU, Qiang LU, Suxiu XU
Day 3 - Friday, December 09, 2011 / Room Venus I / 11:00 - 13:00			

Manufacturing Systems (2) / Chairs: Elesandro Baptista			
1	IEEM11-P-0241	A Two-Stage M/G/1 Queue with Discretionary	Zhaotong LIAN, Ning ZHAO
2	IEEM11-P-0292	Heuristic Algorithm for Two-sided Assembly Line Balancing Problem with Multi-objectives	Xiaofeng HU
3	IEEM11-P-0204	Considering Decision Maker Ideas in Product Mix Problems by Goal Programming	Fahimeh TANHAIE, Nasim NAHAVANDI
4	IEEM11-P-0592	Optimization of Multi-skilled Operator Allocation to Minimize Inventory Waiting Time	Adam BROWN, Fazleena BADURDEEN
5	IEEM11-P-0119	Application of Data Mining Techniques to Monitor the Network-controllable Robot's Performance	James Yongjin KWON, Yongmin PARK, Jungwan HONG
6	IEEM11-P-0427	Average Flow Time Estimation of Jobs in a Flexible Manufacturing Cell Consisting of a Number of Identical Machines	Jannes SLOMP, Jos A. C. BOKHORST, Rahul CAPRIHAN
7	IEEM11-P-0206	Numerical Simulation and Experimental Verification of Electrode Life for Different Coolants and Its Flow in Plasma Cutting Torch	M. Senthil KUMAR, B. DHANASEKAR, G. Ranga JANARDHANA, S. PARAMASIVAM, K. S. Jaya KUMAR
8	IEEM11-P-0572	An Events-driven Scheduling Algorithm for Two-cluster Tools with Processing Time Windows	Xin LI, Richard Y. K. FUNG, Hongyi SUN
9	IEEM11-P-0636	An Efficient Tabu Search Approach to Determine Cell Formation Problem with Consideration of Cell Layout	Chia-Ching LIN, Chin-Chih CHANG, Feng-Chia LI
Day 3 - Friday, December 09, 2011 / Room Venus II / 08:30 - 10:30			
Quality Control & Management (2) / Chairs: Jianjun Wu, Zhang Wu			
1	IEEM11-P-0058	Optimization of Multiresponse Problems using Process Capability Index for Batch Manufacturing Processes	Amirhossein AMIRI, Mahdi BASHIRI, Hamed MOGOUIE
2	IEEM11-P-0217	Implementation of Environmental Management in the Austrian Transport Sector - Do Manager's Attitudes Matter?	Elmar FURST, Peter OBERHOFER
3	IEEM11-P-0354	Email Network Centralities for Leadership	Hisato TASHIRO, Antonio LAU, Junichiro MORI, Nobuzumi FUJII, Yuya KAJIKAWA
4	IEEM11-P-0426	TQM Organizational Development for a Global Manufacturer	Kiyoshi SUZUKI, Hisato TASHIRO, Nobuzumi FUJII, Masayoshi USHIKUBO, Ichiro SAKATA
5	IEEM11-P-0433	Process Capability Analysis for Non-normal Distribution with Lower Specification Limit	Duygu KORKUSUZ, Hendry RAHARJO, Bo BERGMAN
6	IEEM11-P-0055	Synthetic- np Chart for Attributes	Salah HARIDY, Zhang WU
7	IEEM11-P-0419	Controlling Non-conformities Propagation in Manufacturing. Case Study in an Electromechanical Assembly Plant	Valerie FIEGENWALD, Samuel BASSETTO, Michel TOLLENAERE
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Quality Control & Management (3) / Chairs: Ayon Chakraborty, Mahdi Bashiri			
1	IEEM11-P-0516	Profile Monitoring for Poisson Responses	Amirhossein AMIRI, Mehdi KOOSHA, Armaghan AZHDARI
2	IEEM11-P-0460	The Effect of an Additional Observation on Covariance Structure	Maman DJAUHARI
3	IEEM11-P-0221	Effect of Seemingly Unrelated Regression-based Modeling Approach on Solution Quality for Correlated Multiple Response Optimization Problems	Sasadhar BERA, Goutam BARMAN, Indrajit MUKHERJEE
4	IEEM11-P-0251	Heuristic and Metaheuristic Structure of Response Surface Methodology in Process Optimization	Mahdi BASHIRI, Farshid SAMAEI
5	IEEM11-P-0484	The impact of Tolerance Limit on Cost of Quality	Mohamed K. OMAR, Sharweeni MURUGAN, Rohana ABDULLAH
6	IEEM11-P-0665	Decision-making in Process Design Based on Failure Knowledge	Wei DAI, Jun YANG
7	IEEM11-P-0309	Economic Process Control for Multivariate Quality Characteristics with Hotelling's T Square Charts Under Gamma Shock Model	Feng-Chia LI, Peng-Kai WANG, Cho-Hua YEH, Sheng-Wen HONG
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Reliability and Maintenance Engineering (1) / Chairs: Om Prakash Yadav, Jayantha Prasanna Liyanage			
1	IEEM11-P-0133	Integration of Maintenance Strategies for Improved Asset Reliability and Availability	N. K. K. PRASANNA, Shakti AKULA, Tushar N. DESAI

2	IEEM11-P-0202	Increasing Availability of Production Systems in Robust Layouts via Assignment of Maintenance Resources	Majid BAZRAFESHAN, Shahrzad NIKGHADAM, Shaomin WU
3	IEEM11-P-0490	Reuse Oriented Group Maintenance Scheduling Based on Hybrid Genetic Algorithm and Tabu Search	Jihong YAN, Dingguo HUA, Zimo WANG
4	IEEM11-P-0383	State Space Model Based Reliability and Sensitivity Analysis for Multistage Manufacturing Process	Faping ZHANG, Aiqing CHEN, Yan YAN, Hanbo QIAN
5	IEEM11-P-0642	Software Reliability Modelling and Optimization for Multi-release Software Development Processes	Qingpei HU, R PENG, Min XIE, S.H. NG, Gregory LEVITIN
6	IEEM11-P-0717	Multi Up-gradation Software Reliability Growth Model with Faults of Different Severity	Amir Hossein SOLEIMAN GARMABAKI, Anu.G AGGARWAL, Pramod Kumar KAPUR
7	IEEM11-P-0361	Performance-based Burn-in for Products Sold with Warranty	Zhisheng YE, Loon Ching TANG, Min XIE
8	IEEM11-P-0653	System Dynamics Simulation for Constructing Maintenance Management of Ship Machinery	Dhimas HANDANI, Kenji ISHIDA, Shintaro NISHIMURA, Surya HARIYANTO

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Reliability and Maintenance Engineering (2) / Chairs: Faping Zhang, Qingpei Hu

1	IEEM11-P-0141	Reliability of Surveillance Mission with Unmanned Aerial Vehicles	Kien Ming NG, Jun JIANG, Rui PENG, Kim Leng POH, Kwong Meng TEO
2	IEEM11-P-0392	Reliability-based Robust Design Optimization: A Comparative Study	Vijay RATHOD, Om Prakash YADAV, Ajay Pal Singh RATHORE, Rakesh JAIN
3	IEEM11-P-0400	Exploring Impacts of Single Failure Propagation between SCADA and SUC	Cen NAN, Irene EUSGELD
4	IEEM11-P-0424	Human Factor in Maintenance Performance Measurement	Diego GALAR, Christer STENSTRÖM, Aditya PARIDA, Rupesh KUMAR, Luis BERGES
5	IEEM11-P-0675	A Maintenance Service Contract for A Warranted Product	Hennie HUSNIAH, Udjianna S. PASARIBU, Abdul Hakim HALIM, Bermawi ISKANDAR
6	IEEM11-P-0512	Expert-Based FMEA of Wind Turbine System	Milton Kumar DAS, Subhash Chandra PANJA, Sunetra CHOWDHURY, Shyamapada CHOWDHURY, Andreas I ELOMBO
7	IEEM11-P-0245	Condition-based Maintenance for Systems Under Dependent Competing Failures	Liangpeng CHEN, Zhisheng YE, Boray HUANG, Min XIE

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Technology and Knowledge Management (3) / Chairs: Ichiro Sakata, Chin Yuan Fan

1	IEEM11-P-0613	A Model for Linking Knowledge Management Strategies, Critical Success Factors, Knowledge Management Practices and Organizational Performance; the case of Iranian Universities	Afarin AKHAVAN, Mohammad Saleh OWLIA, Mostafa JAFARI, Yahya ZARE
2	IEEM11-P-0065	Identifying Mapping Relationships between Functions and Technologies: an Approach based on Association Rule Mining	Linda ZHANG, Roger JIAO
3	IEEM11-P-0529	Ranking of Technology Transfer Barriers in Developing Countries; Case Study of Iran	Khashayar YAZDANI, Kourosh YAZDANI RASHVANLOUEI, K. ISMAIL
4	IEEM11-P-0307	Managing Supply Chain Knowledge in the New Product Development Process: a Social Network Analysis Approach	Marianna MARRA, William HO, John S. EDWARDS
5	IEEM11-P-0036	An Ontological Approach for Program Management Lessons Learned: Case Study at Motorola Penang Design Centre	Yu-N CHEAH, Soo Beng KHOH, Ghee Beng OOI
6	IEEM11-P-0518	Optimization of a Knowledge-based System by a Meta-heuristic Approach for the Automotive Diagnosis	Armin AZARIAN, Ali SIADAT, Patrick MARTIN
7	IEEM11-P-0546	Defining Technology Entrepreneurship	Markus SPIEGEL, Christian MARXT
8	IEEM11-P-0634	Towards the Integration of Technological, Organizational and Human Subsystems of Organizations to Enhance Productivity	Mohammed Aminu SANDA, Jan JOHANSSON

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Technology and Knowledge Management (4) / Chairs: Chui Young Yoon, Chien-Liang Kuo

1	IEEM11-P-0584	Identification and Classification of Human Error in Process Model Development	Alexander NIELEN, Denise KÖLTER, Susanne MÜTZE-NIEWÖHNER, Christopher M. SCHLICK
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2	IEEM11-P-0353	Technological Capability Building in Network Environments: the Moderating Effects of Governance Structure	Suli ZHENG, Zengyuan WU
3	IEEM11-P-0455	Open Innovation in Chinese High-tech Enterprises: An Empirical Research Based on Zhejiang Province	Fang LIU, Gang ZHENG
4	IEEM11-P-0492	The Paradoxical Property of Knowledge in Organizations	J. Ajith KUMAR
5	IEEM11-P-0327	Technology Manager's Radar Screen: Monitoring Competitors' Innovation Performance	Chung-Huei KUAN, Huei-Ru DONG, Mu-Hsuan HUANG, Dar-Zen CHEN
6	IEEM11-P-0235	The Impact of Absorptive Capacity on the Ex-Post Adoption of Agile Methods: The Case of Extreme Programming Model	Bouchaib BAHLI, Younes BENSLIMANE, Zijiang YANG
7	IEEM11-P-0587	Technology, Quality and Trade in the Apple Industry	Kayla LOPUCH, Laura SYRETT, John CONRAD, Harm-Jan STEENHUIS

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Systems Modeling and Simulation (1) / Chairs: Ville Ojanen, Maria Grazia Gnani

1	IEEM11-P-0230	A Robust-Gain-Scheduled Methodology for Process Parameter Design and Control with Application to a Carbonated Beverage Filling Process	Abdul-Wahid A. SAIF, Muneeb A. AKRAM
2	IEEM11-P-0164	Design and Modeling of Roll-to-Roll Manufacturing System	Laura Xiao Xia XU, Chin Wei GAN, Feng Yu WANG, Bin MA, Roland LIM
3	IEEM11-P-0328	Design of Comminution Circuits for Improved Productivity Using a Multi-Objective Evolutionary Algorithm (MOEA)	Samson MHLANGA, Jabulani NDLOVU, Charles MBOHWA, Michael MUTINGI
4	IEEM11-P-0488	Systems Thinking for Modeling Risk Propagation in Supply Networks	Abhijeet GHADGE, Samir DANI, Roy KALAWSKY
5	IEEM11-P-0422	A UML Approach for the Design of Reconfigurable Manufacturing Simulation Models	Hossam S. ISMAIL, Voon S. TEY, Lina WANG, Jenny POOLTON
6	IEEM11-P-0269	Bayesian Calibration of Stochastic Computer Models	Jun YUAN, S.H. NG
7	IEEM11-P-0567	Wafer Lot Release Policies Based on the Continuous and Periodic Review of WIP Levels	Khaled S. EL-KILANY
8	IEEM11-P-0449	A Framework for Solving the Optimal Display Quantities with Equality Constraint	Takuya SUGANUMA, Hiroyuki GOTO

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Systems Modeling and Simulation (2) / Chairs: Arun Kumar, Carman Lee

1	IEEM11-P-0420	Principles for Modelling Business Processes	Antonie VAN RENSBURG
2	IEEM11-P-0473	Resolution of Resource Conflict in a Max-Plus Linear Representation -Case of a Single Project-	Shotaro YOSHIDA, Hirotaka TAKAHASHI, Hiroyuki GOTO
3	IEEM11-P-0521	A Queuing System with Risk-Averse Customers: Sensitivity Analysis of Performance	Carlos Arturo DELGADO, Ann van ACKERE, Erik LARSEN
4	IEEM11-P-0519	Balancing Multi-robot Prioritized Task Allocation: a Simulation Approach	M. ELANGO, S.P. NACHIAPPAN
5	IEEM11-P-0315	Modeling Patient Visits to Accident and Emergency Department in Hong Kong	M. XU, T. C. WONG, K. S. CHIN, S. Y. WONG, K. L. TSUI
6	IEEM11-P-0694	Evaluation of a Supply Chain Performance Using a Fuzzy Decision Support System	Isabel L. NUNES, Sara FIGUEIRA, Virgilio CRUZ-MACHADO
7	IEEM11-P-0704	Assessing Quality of Manufacturing Organizations - A Graph Theoretic Approach	Mohit SINGH, I.A. KHAN, Sandeep GROVER, S.C. GUPTA
8	IEEM11-P-0200	On Storage Capacity Pooling through the Supply Hub in Industrial Park (SHIP): The Impact of Demand Uncertainty	Xuan QIU, George Q. HUANG

Poster Presentations

Day 1 - Wednesday, December 07, 2011			
7-Dec	1 - IEEM11-P-0014	An Integrated Multi Agent Based Model to Find the Most Agile Supplier	Hoda GHAHREMANLOO, Mohamad Jafar TAROKH
7-Dec	2 - IEEM11-P-0177	Measuring Supply Chain of Packed Milk from Consumer Perspective in Pakistan	Fariza KAMRAN, Osman BABAR, Muhammad ASIM
7-Dec	3 - IEEM11-P-0276	Impact of Product Design Decisions within Product Development on the Supplier Selection Process at the Automotive Industry	Florian G. H. BEHNCKE, Katrin ABELE, Udo LINDEMANN
7-Dec	4 - IEEM11-P-0406	A Measurement Model for Collaboration between Suppliers and Manufacturers	Pingyuan ZOU, Hao ZHANG
7-Dec	5 - IEEM11-P-0421	An Innovative Optimization Model for Global Supplier Selection	Ramzi HAMMAMI
7-Dec	6 - IEEM11-P-0668	Service Supply Chain Practices from the Perspective of Malaysian Tourism Industry	Suhaiza ZAILANI, Kean Hong TEOH
7-Dec	7 - IEEM11-P-0207	A Self-Crossover Genetic Algorithm for Job Shop Scheduling Problem	Shiwang HOU, Yangjiang LIU, Haijun WEN, Yuepeng CHEN
7-Dec	8 - IEEM11-P-0268	A Solution to the Capacitated Lot Sizing Problem	Zhicong ZHANG, Weiping WANG, Shouyan ZHONG, Kaishun HU
7-Dec	9 - IEEM11-P-0380	Non-cooperative Game Decision for Capacity Evaluation under Output Demand Uncertainty	Ting YANG, Dinghua ZHANG, Bing CHEN, Shan LI
7-Dec	10 - IEEM11-P-0408	Losses Caused by the Presetting of Tools by the Manual Method	Milton Vieira JUNIOR, Jose Martinele A. SILVA, Ivan CORRER, Nivaldo L. COPPINI, Elesandro A. BAPTISTA
7-Dec	11 - IEEM11-P-0534	Feature Fatigue Analysis Based on Behavioral Decision Making	Mingxing WU, Liya WANG
7-Dec	12 - IEEM11-P-0577	Value Stream Mapping Simulation Using ProModel Software	Nivaldo L. COPPINI, Luiz C. BEKESAS, Elesandro A. BAPTISTA, Milton Vieira JUNIOR, Wagner C. LUCATO
7-Dec	13 - IEEM11-P-0242	Simulation for Implementing RFID-EPC in Reverse Supply Chain Based on Consumer Market	Qiaolun GU, Tiegang GAO
7-Dec	14 - IEEM11-P-0384	The Use of Artificial Neural Network (ANN) for Modeling of Diesel Contaminated Soil Remediation by Composting Process	Mehrdad KHAMFOROUSH, M-Javad RAHI, Tahmas HATAMI, Kourosh RAHIMZADE
7-Dec	15 - IEEM11-P-0439	Integrated Development of Space Systems - Design for AIT - Design for Assembly, Integration and Testing of Satellites - D4AIT	Adalberto Coelho SILVA, Geilson LOUREIRO
7-Dec	16 - IEEM11-P-0514	Using Structural Complexity Management for Design Process Driven Modularization	Harrys DANIILIDIS, David HELLENBRAND, Wolfgang BAUER, Udo LINDEMANN
7-Dec	17 - IEEM11-P-0685	Study on Dynamical Properties and Simulation of a Four Dimensional Nonlinear Discrete Dynamics	Jing PENG, Zehua MIAO, Luoping ZHENG
7-Dec	18 - IEEM11-P-0346	Organizational E-Readiness Impact on E-Procurement Implementation	Naseebullah LANGOVE, Shuib Bin BASRI, P. D. D. DOMINIC, Muhammad JEHANGIR
7-Dec	19 - IEEM11-P-0237	Technological Economic Study for Ocean Energy Development in China	Tianqi WANG, Peng YUAN
7-Dec	20 - IEEM11-P-0295	Profit Generation in a Machining Service Provider - Optimization Combining Theory of Constraints and Contribution Margin Concept	Elesandro A. BAPTISTA, Wagner C. LUCATO, Nivaldo L. COPPINI, Milton Vieira JUNIOR, Luiz C. BEKESAS
7-Dec	21 - IEEM11-P-0048	Understanding Project Success: The Four-Level Project Success Framework	Eskander HOWSAWI, David EAGER, Ravindra BAGIA
7-Dec	22 - IEEM11-P-0049	Probabilistic Sustainable Design Using Multiobjective Optimization Model	Jui-Sheng CHOU, Thanh Son LE
7-Dec	23 - IEEM11-P-0122	The Role of Time, Cost and Quality in Project Management	Nurul Izah ANUAR, Poh Kiat NG
7-Dec	24 - IEEM11-P-0024	A study of Measuring the Impact of Employee Perception on Business-IT Alignment Via Neural Network	T. C. WONG, Shing-Chung NGAN, Felix T. S. CHAN, Alain Y. L. CHONG
7-Dec	25 - IEEM11-P-0333	New Insights of Technology Licensing Strategy and Innovation Performance: The Evidence on Chinese Latecomers in High-tech Industries	Yang Yang ZHAO, P.K. WONG, A. M. SUBRAMANIAN, C. C. HANG
7-Dec	26 - IEEM11-P-0363	Functional Semantic Retrieval for Effects Knowledge Base	Hongtao WU, Jinling ZHANG, Jianhong MA, Runhua TAN
7-Dec	27 - IEEM11-P-0463	Constructing a Dynamic Evaluation Model for Corporate Diversification — The Thin-film Solar Cell	Chang-Lin YANG, Rong-Hwa HUANG

7-Dec	28 - IEEM11-P-0468	A Study of Inter-firm Network and Knowledge Integration Impact Mechanism on Absorptive Capacity	Zhigang FAN, Shuai GENG, Xiaoying PENG
7-Dec	29 - IEEM11-P-0480	Adoption of Hierarchical Structure for Web Document Analysis in Knowledge Management System	Rozlini MOHAMED, Junzo WATADA
7-Dec	30 - IEEM11-P-0503	Activities and Problems in New Product Development Process in the Networking Industry - A Case of Different Business Models	Min-Sun WUANG, Shu-Min CHIANG
7-Dec	31 - IEEM11-P-0625	A Case Study on the Importance of Knowledge Management in Creative Product Development	Poh Kiat NG, Nurul Izah ANUAR
7-Dec	32 - IEEM11-P-0041	Improving a Model for New Service Development	Alireza SHEIKHZADEH, Hamed HEIDARI
7-Dec	33 - IEEM11-P-0347	HSR Buying Behavior Modeling-Taiwan High Speed Railway Case	Hsiao-min CHUANG, Chihpeng CHU, Yu-tzeng LIN
7-Dec	34 - IEEM11-P-0607	An Approach of Quality Management in the Small Business Environment of South Africa	Bingwen YAN, Li ZHANG
7-Dec	35 - IEEM11-P-0682	Optimal Selection of Location for Distributed Generations to Ensure a Competitive Advantage Using Fuzzy Analytical Network Process	Mahdihyeh MONTAZERI, Mohammad Saleh OWLIA, A MOGHIMI, Mohamad KAMALZADEH

Day 2 - Thursday, December 08, 2011

8-Dec	1 - IEEM11-P-0275	Application of Fuzzy Mathematical Programming to Optimize an Integrated Production-distribution System	Fardin AHMADIZAR, Mehdi ZEYNIVAND
8-Dec	2 - IEEM11-P-0351	Supplier Development: a Decision Making Problem	Zahra SHARAFI, Jamshid PARVIZIAN
8-Dec	3 - IEEM11-P-0366	Application of Fuzzy-AHP Extent Analysis for Supplier Selection in an Apparel Manufacturing Organization	Mohammad Mahmudur RAHMAN, Kazi Badrul AHSAN
8-Dec	4 - IEEM11-P-0432	A Model For Evaluating Lean, Agile, Resilient and Green Practices Interoperability in Supply Chains	Pedro ESPADINHA-CRUZ, Antonio GRILO, Rogerio PUGA-LEAL, Virgilio CRUZ-MACHADO
8-Dec	5 - IEEM11-P-0447	Arena Simulation Model for Multi Echelon Inventory System in Supply Chain Management	Kunal PATIL, Kai JIN, Hua LI
8-Dec	6 - IEEM11-P-0581	Stability of Production Lines with Multiple Delays	Narthan Cemal SAADET, Ali Fuat ERGENÇ
8-Dec	7 - IEEM11-P-0588	Fuzzy Guidance Strategies for Fair Multi-Agent Negotiation of Wholesale Price Contracts	Omar KALLEL, Ines BEN JAAFAR, Lionel DUPONT, Khaled GHEDIRA
8-Dec	8 - IEEM11-P-0647	A Simulation Comparison Analysis of Effective Pallet Management Scenarios	Maria Grazia GNONI, Gianni LETTERA, Alessandra ROLLO
8-Dec	9 - IEEM11-P-0138	Does Topology Matter? Land Price and Road Network	Satoru YAMAMOTO, Yuya KAJIKAWA
8-Dec	10 - IEEM11-P-0211	Market Information, Scope Economies, and Make-or-Buy Decision under Information Asymmetry	Suxiu XU, Qiang LU, Xiaoming HU
8-Dec	11 - IEEM11-P-0358	Developing a New Consumption Experience Scale for Taiwanese Fine Foods Culture	Ching-Yu LIEN, Shu-Hwa HSIAO
8-Dec	12 - IEEM11-P-0680	A Model for Carbon Management of Supplier Selection in Green Supply Chain Management	Chia-Wei HSU, S. H. CHEN, Cherng-Ying CHIOU
8-Dec	13 - IEEM11-P-0124	The ADT Evaluation Method Based on MCMC	Lizhi WANG, Xiaoyang LI, Tongmin JIANG, Xiaotian ZHUANG
8-Dec	14 - IEEM11-P-0560	The Impacts of Common Cause Failures for Two-Unit Parallel Systems from RAMS+C Point of View	Chun-Yuan CHENG, Min WANG, Bee Leng LEE
8-Dec	15 - IEEM11-P-0648	Redundancy Allocation for Series-Parallel Warm-Standby Systems	O. TANNOUS, L. XING, R PENG, Min XIE, S.H. NG
8-Dec	16 - IEEM11-P-0666	Simulation-Assisted Estimation of Failure Models with Stochastic Hazard Rates	Ke SUN, Songlin CHEN, Zhang WU
8-Dec	17 - IEEM11-P-0291	A Multi-Objective Identical Parallel Machine Scheduling with Setup and Removal Times with Deteriorating and Learning Effects	Alireza AMINI, Reza TAVAKKOLI-MOGHADDAM, Farzad NIAKAN
8-Dec	18 - IEEM11-P-0450	Genetic Algorithms and the Cutting Stock Problem	Mohsin MALIK, John TAPLIN, Min QIU
8-Dec	19 - IEEM11-P-0470	A Genetic Algorithm Approach for Modelling and Optimisation of MAJSP- Part II:GA Operators and Results	Roohollah MILIMONFARED, Romeo MARIAN, Zeinab HAJIABOLHASANI
8-Dec	20 - IEEM11-P-0482	Examination of the Effectiveness and Robustness of the Heuristics for Bay-based Quay Crane Scheduling Problem in Port Container Terminals	Jiang Hang CHEN, Stephen ZHANG, D.H. LEE
8-Dec	21 - IEEM11-P-0688	Improving Dispatch Operations in Complex Courier Organizations	Laura Paulina LARA AVILA, Fatos ELEZI, Maria CARIDI, Udo LINDEMANN

8-Dec	22 - IEEM11-P-0401	Project Management for Small Wind Turbines: an Experimental Survey on Activities, Lead Times and Risks	Salvatore MIRANDA, Marcello FERA, Roberto MACCHIAROLI
8-Dec	23 - IEEM11-P-0080	Full Service Vehicle Manufacturing: Rise and Fall	Alan PILKINGTON, Luciano CIRAVEGNA
8-Dec	24 - IEEM11-P-0046	A Prescriptive Approach to Understand Customer Needs Using Value-focused Thinking	Xinwei ZHANG, Guillaume AURIOL, Claude BARON
8-Dec	25 - IEEM11-P-0064	Investment Center Framework	Romeo G. MANALO, Marivic V. MANALO
8-Dec	26 - IEEM11-P-0118	Robustness and Reliability Consideration in Product Design Optimization Under Uncertainty	Xiaotian ZHUANG, Rong PAN, Lizhi WANG
8-Dec	27 - IEEM11-P-0233	System Dynamics Modeling for EFQM Excellence Model: Case Study of a Regional Electricity Company in Iran	Mohammad Dehghani SARYAZDI, Kazem NOGHONDARIAN, Mohammad Saleh OWLIA, Jamal Hosseini AZABADI
8-Dec	28 - IEEM11-P-0345	Control Chart for Monitoring Dependent Binomial Processes	Tsen-I KUO, Cheng-Shih LIN, Tung-Tsan CHEN, Hsin-Hua HUNG
8-Dec	29 - IEEM11-P-0438	System Integration Issues – Causes, Consequences & Mitigations	Adalberto Coelho SILVA, Geilson LOUREIRO
8-Dec	30 - IEEM11-P-0551	Process Cascade- and Segmentation-Based Organizational Design	Doris WEITLANER, Markus KOHLBACHER
8-Dec	31 - IEEM11-P-0602	Determining Economic Manufacturing Quantity, the Optimum Process Parameters Based on Taguchi Quadratic Quality Loss Function Under Rectifying Inspection Plan	Ismail AL-ME'RAJ, Yahya CINAR, Salih DUFFUAA
8-Dec	32 - IEEM11-P-0643	Identifying Quality Improvement Opportunities in a Manufacturing Enterprise	Stanley FORE
8-Dec	33 - IEEM11-P-0645	An EWMA –Based Method for Monitoring Polytomous Logistic Profiles	Hamidreza IZADBAKHSI, Rassoul NOOROSSANA, Marzieh ZARINBAL, Amir ZARINBAL, Mohammad Reza SAFAIAN, Majid CHEGENI
8-Dec	34 - IEEM11-P-0637	Composing a Technology Delivery System for an Emerging Energy Technology: The Case of Dye-Sensitized Solar Cells	Ying GUO, Xuefeng WANG, Donghua ZHU
8-Dec	35 - IEEM11-P-0639	Innovation Risk-utility Pathway Method Applied to Dye-sensitized Solar Cells	Ying GUO, Xuefeng WANG, Donghua ZHU
Day 3 - Friday, December 09, 2011			
9-Dec	1 - IEEM11-P-0011	Efficiency Improvement on Job Scheduling by Using Genetic Algorithm: A Case Study in Electronic Industry	Rati WONGSATHAN, Budtree LIMVANICH
9-Dec	2 - IEEM11-P-0067	Process Family Planning: a Methodology Integrating Petri Nets and Knowledge-based Systems	Linda ZHANG, Qianli XU
9-Dec	3 - IEEM11-P-0250	Shifting Economic Bottleneck Identification	Junqiang WANG, Jian CHEN, Shuo WANG, Yingfeng ZHANG, Shudong SUN
9-Dec	4 - IEEM11-P-0350	Coordination Policies in Product Development with Rework	Bingyin BAO, Suxiu XU, Qiang LU
9-Dec	5 - IEEM11-P-0123	Research of Supplier Fuzzy Evaluation Based on Customer Satisfaction	Minghai JIAO, Xueying HONG, Ping YAN, Long REN
9-Dec	6 - IEEM11-P-0285	A Study on Audit Fees Decision Making: Evidence from China Stock Market	Xin LI, Xiaobo ZHU
9-Dec	7 - IEEM11-P-0289	Data Pre-Processing by Genetic Algorithms for Bankruptcy Prediction	Chih-Fong TSAI, Jui-Sheng CHOU
9-Dec	8 - IEEM11-P-0322	To Form a Smaller World in the Research Realm of Hierarchical Decision Models	Bing WANG, Xiaotian YAO
9-Dec	9 - IEEM11-P-0445	Threat Evaluation Model of Targets Based on Information Entropy and Fuzzy Optimization Theory	Li-Ying FENG, Qing XUE, Min Xia LIU
9-Dec	10 - IEEM11-P-0458	Study of Deformation and Compensation for Ram-Quill Type Spindle	Chia-Hui TANG, Ching-Feng CHANG, Tsair-Rong CHEN
9-Dec	11 - IEEM11-P-0702	Fuzzy Classification of Gas Power Plant Spare Parts by Combination Statistical Classification Technique, SAW, ABC Analysis	Shahrokh HEMATYAR
9-Dec	12 - IEEM11-P-0130	The Impact of Work Design Concept on Manufacturing Performance: A Process Sector Case Study	Nimesha VILASINI, Udaya KAHANGAMAGE, Randika Kosala WATHAVANA VITHANAGE, Janaka GAMAGE
9-Dec	13 - IEEM11-P-0066	Designing an Integrated Order Fulfillment System for Configure-to-Order Production	Linda ZHANG, Qianli XU
9-Dec	14 - IEEM11-P-0068	Planning Process Families with a Knowledge-based System	Linda ZHANG, Qianli XU, Yongyi SHOU

9-Dec	15 - IEEM11-P-0532	Performance Evaluation of Knowledgeable Manufacturing Systems Using Petri Nets Considering Dynamic Events	Youlong LV, Jie ZHANG
9-Dec	16 - IEEM11-P-0544	Using Bayesian Networks and Importance Measures to Identify Tumour Markers for Breast Cancer	Shubin SI, Guanmin LIU, Zhiqiang CAI, Peng XIA
9-Dec	17 - IEEM11-P-0703	Identifying Critical Business Rules Using Rough Set Theory	Mohamad AGHDASI, Ehsan MALIHI, Fatemeh GHORBANI
9-Dec	18 - IEEM11-P-0669	Apply HLM to Analyze Government Policies Influence the Accessibility Of Sidewalks	Ching-Tsung HUNG
9-Dec	19 - IEEM11-P-0478	Confidence Interval Estimation of Software Reliability Growth Models Derived from Stochastic Differential Equations	Chih-Chiang FANG, Chun-Wu YEH
9-Dec	20 - IEEM11-P-0465	A Genetic Algorithm Approach for Modelling and Optimisation of MAJSP- Part I:Modeling	Roohollah MILIMONFARED, Romeo MARIAN, Zeinab HAJIABOLHASANI
9-Dec	21 - IEEM11-P-0558	On The Development of Adoption of Newer Successive Technologies Using Stochastic Differential Equation	P.C. JHA, Kuldeep CHAUDHARY, Anshu GUTPA
9-Dec	22 - IEEM11-P-0649	A Framework Algorithm for a Real-World Variant of the Vehicle Routing Problem	Vu PHAM, Tien DINH
9-Dec	23 - IEEM11-P-0676	A Branch and Cut Algorithm for the Multi-Vehicle One-to-One Pickup and Delivery Problem with Split Loads	Temel ÖNCAN, Dilek Tüzün AKSU, Guvenc ŞAHIN, Mustafa ŞAHIN
9-Dec	24 - IEEM11-P-0272	Research on Rapid Design Plan For Engine Based on Human Factors Engineering	Han YU, Qing XUE, Minxia LIU
9-Dec	25 - IEEM11-P-0372	Towards Human Stability in Transport Systems	Philippe RICHARD, Vincent BENARD, Frederic VANDERHAEGEN, Patrice CAULIER
9-Dec	26 - IEEM11-P-0436	Work Motivation and Job Performance of Frontline Employees: the Mediating Role of Organizational Commitment	Panagiotis TRIVELLAS
9-Dec	27 - IEEM11-P-0509	The Human Factors Analysis of Marine Accidents Based on Goal Structure Notion	Tingting DAI, Haiyan WANG
9-Dec	28 - IEEM11-P-0658	Situational Awareness Needs for System Interaction Design	D'oria ROSLI, Azizah ABDUL RAHMAN, Rose Alinda ALIAS
9-Dec	29 - IEEM11-P-0323	A Design of 3D Modeling Virtual Fitting Project for Online Shopping	Pangli ZUO, Yi ZHAO
9-Dec	30 - IEEM11-P-0196	Achieving Platform Leadership: Application of Inverting and Porting in System Development	Jerome Chih-Lung CHOU, Chia-Liang HUNG, W. T. LI
9-Dec	31 - IEEM11-P-0038	Uncertainty Analysis on Number of Fatalities in Building Fires	Guanquan CHU, Jinhui WANG
9-Dec	32 - IEEM11-P-0260	Composable Correlation Mining of Cloud Service in Cloud Manufacturing	Hua GUO, Lin ZHANG, Fei TAO, Zhiyun REN, Yongliang LUO
9-Dec	33 - IEEM11-P-0261	Energy Adaptive Immune Genetic Algorithm for Collaborative Design Task Scheduling in Cloud Manufacturing System	Yuanjun LAILI, Lin ZHANG, Fei TAO
9-Dec	34 - IEEM11-P-0498	Design of a Lean Development Framework	U. DOMBROWSKI, Thimo ZAHN
9-Dec	35 - IEEM11-P-0557	Study on the Variation and Survival Factors in the Business Evolution Process Based on Organizational Ecology	Jie HOU, Qiang LU, Yongjiang SHI
9-Dec	36 - IEEM11-P-0663	A New Practical Conformance Testing Method Based on Standard	Zhou JIANG, Li ZHENG, Fujiang LIU, Qing XIANG