Time	10:20-12:00
Session	Mon. 1 Room : 201
Topic	Production Planning and Scheduling
Chair	Professor Sunderesh S. Heragu

ID	Paper Title	Author(s)
PS4	A Comparison of Two Chromosome	Muh-Cherng Wu, Pang-Hao
	Representation Schemes Used in Solving	Tai and Chie-Wun Chiou
	a Family-Based Scheduling Problem	
PS7	A Research on Problems of Mixed-Line	Hsiang-Hsi Huang, Yo-Tsung
	Production and the Re-scheduling	Chen and Ting-Yu Chen
PS18	Tabu Search Algorithm for Job Shop Total	Y. K. Lin, M. L. Liu and
	Weighted Tardiness Problem	C. S. Chong
PS3	Developing a New Competing Metaheuristic	Mehdi Iranpoor,
	Based on the Individual and Social Behaviors	B. Karimi and
	of Dolphins	S.M.T. Fatemi Ghomi

Time	10:20-12:00	
Session	Mon. 1 Room: 202	
Topic	Artificial Intelligence in Manufacturing	
Chair	Professor Stephen T. Newman	

ID	Paper Title	Author(s)
AI2	A Flexible Way of Evaluating the Long-term	Toly Chen and
	Cost Competitiveness of a Semiconductor	Chun-Ho Lin
	Product	
AI8	Combining Differential Evolution Algorithm	Yucheng Kao and
	with K-means for Solving Machine Cell	Chien-Chih Chen
	Formation Problems	
AI10	A Construction of Link-driven Bayesian	Wei-Hua Andrew Wang and
	Networks to the Integration of Data and	Wen-Hsin Chen
	Knowledge	
Al11	Two Approaches for Estimation of Production	Dragutin Lisjak,
	Time: Robust Regression Analysis and Neural	Predrag Cosic and
	Networks	Diana Milcic

Time	10:20-12:00
Session	Mon. 1 Room: 203
Topic	Manufacturing Inventory Control
Chair	Professor Chiun-Ming Liu

ID	Paper Title	Author(s)
IC1	Economic Production Lot Sizing with Machine	Gary C. Lin,
	Breakdowns Subject to Two Unreliable Key	Joseph C. Chen and
	Components	Dah-Chuan Gong
IC6	Two-stage ordering policy under Buyer's	Hsi-Mei Hsu and
	Minimum- Commitment Quantity Contract	Zi-Yin Chen
IC8	Comparative Study of Kanban and CONWIP:	Yue Huang, Joel J. Villa and
	A Case Study Illustration	F. Frank Chen
IC10	Inventory Management in Canned Sweet	Pornthipa Ongkunaruk and
	Corn Kernel Industry	Ratchanon Prawat

Time	10:20-12:00
Session	Mon. 1 Room: 205
Topic	Other Relevant Topics
Chair	Professor Urs Buehlmann

ID	Paper Title	Author(s)
TP1	A general evaluation of Total Quality	Jose Arturo Garza-Reyes,
	Management (TQM) in the Kuwait oil industry	Abdullah Al-Jasser,
		Ilias Oraifige,
		Horacio Soriano-Meier,
		and Paul L. Forrester
TP2	The Cournot Production Game with Multiple	Jr-Fong Dang,
	Firms under Fuzzy Business Environment	I-Hsuan Hong, and
		Jing-Ming Lin
TP4	Policy for Technical Entrepreneurship: The	Chinweike I. Eseonu and
	effect of government policy on	David A. Wyrick
	technology-based SME growth	
TP6	Mobile Robot Path Planning and Obstacle	Hussein Hamdy Shehata
	Avoidance Based on a Virtual Obstacle	and Josef Schlattmann
	Concept	

Time	10:20-12:00	
Session	Mon. 1 Room: 206	
Topic	Global Manufacturing, Supply Chain, and Logistics	
Chair	Professor Jun-In Ker	

ID	Paper Title	Author(s)
GS3	-Simulating the Performance of Inventory	Horng-Chyi Horng,
	Policies in a Multi-stage Supply Chain System	Sheng-Chieh Chen and Ming-Chih Chen
GS4	Multi-Objective and Multi-Market Demand	Jia-Nian Zheng,
	Planning for Unbalanced Green Energy	Jheng-Dao Yu,
	Supply Chain	Chen-Fu Chien and
		Jei-Zheng Wu
GS5	Development of a Typology for Industrial	Lei Li, Ralph Riedel, Heiko
	Parks Based on a General Systems Model of	Baum and Egon Müller
	Networked Production	
GS10	The Storage Assignment and Order-Picking	Ying-Chin Ho and
	Route Planning in a Distribution Warehouse	Jia-Chyun Chen
	with Multiple Cross Aisles	

Time	14:00-15:40	
Session	Mon. 2 Room: 201	
Topic	Production Planning and Scheduling	
Chair	Professor Muh-Cherng Wu	

ID	Paper Title	Author(s)
PS8	Integration of Mold Maintenance Planning	C.S. Wong, T.S. Chan and
	and Production Scheduling	S. H. Chung
PS9	The Construction of Master Production	Shu-Shing Chung,
	Scheduling System and Available-to-Promise	Guan-He Wu ,
	Mechanism under Process Selectable	Jia-Rong Kang and
	Environment for the TFT-LCD Cell Assembly	Yen-Feng. Wu
	Factory	
PS13	Combination of LP-metric Method and	Nima Hamta,
	Genetic Algorithm to Solve a Bi-criteria	S.M.T. Fatemi Ghomi and
	Assembly Line Balancing Problem	F. Jolai
PS16	A Study on the Control Problem of Stacker	Ying-Chin Ho and
	Cranes in a TFT-LCD Plant	Teng-Sheng Su

Time	14:00-15:40	
Session	Mon. 2 Room: 202	
Topic	CAD/CAM/CIM/FMS/MES	
Chair	Professor Xun William Xu	

ID	Paper Title	Author(s)
CC1	Realization of interoperability between a	Mehrdad Safaieh,
	C-axis CNC turn-mill centre and 4-axis CNC	Aydin Nassehi and
	machining centre	Stephen T. Newman
CC3	Pattern Recognition and Group Arrangement	Cheol-Soo Lee, Eun-Young
	for Ship Part Nesting	Heo, Joo-Hyun Shim, F.
		Frank Chen, and
		Dong-Won Kim
CC5	Application of Contour Tracing Algorithm in	Natthavika Chansri,
	3D Modeling from a Paper-Based Overtraced	Pisut Koomsap and
	Freehand Sketch	Pornnalin Kuagoolkijgarn
CC8	Optimization of Tool Path Planning in 5-Axis	Hsin-Ta Hsieh and
	Flank Milling of Ruled Surfaces with Improved	Chih-Hsing Chu
	PSO	

Time	14:00-15:40	
Session	Mon. 2 Room: 203	
Topic	Modeling and Simulation of Manufacturing Systems and Processes	
Chair	Professor Dave Wyrick	

ID	Paper Title	Author(s)
SU1	A Theoretical Model for Surface Roughness	Patricia Muñoz-Escalona
	Prediction When Face Milling Aluminium 7075-T7351 with Square Insert Tools	and Paul G Maropoulos
SU4	Contractual Correctness and Performance	Richard Romanowski and
	Tuning for Dynamic NP-hard Manufacturing	Ming-Shiun Lu
	Problems	
SU8	A holistic view on modelling and simulation in	Nylund Hasse,
	the context of an intelligent manufacturing	Lanz Minna, Tuokko Reijo
	environment	and Andersson Paul H
SU11	Stiffness, Thermal Modeling and Optimization	Zhouping Wu, Beizhi Li
	of High-Speed Grinding Spindles	and Jianguo Yang

Time	14:00-15:40	
Session	Mon. 2 Room: 205	
Topic	Lean and Agile Manufacturing	
Chair	Professor Radu F. Babiceanu	

ID	Paper Title	Author(s)
LA5	Business Flexibility in Small and Medium	Egon Müller, Jens
	Enterprises – An Empirical Study	Schütze, Heiko Baum,
		Martina Ganß, and Ralica
		Ivanova
LA3	"Doing things right first time": Promoting a "6S" quality cultural change	Horacio Soriano-Meier, Abhey Sharma, Jose Arturo Garza-Reyes , Paul Forrester and Simon Burtonshaw-Gunn
LA7	A Leagile Inspired Supply Chain Model to Improve the Performance of Steel Industries	V. Kumar, N. Mishra, F. T. S. Chan, M. Kumar and G. MacKerron
LA6	A Framework for Successful Implementation of E- Kanban: A case study based approach	Grant MacKerron, Maneesh Kumar, Vikas Kumar and F. T. S. Chan

Time	16:00-17:20	
Session	Mon. 3 Room: 201	
Topic	Manufacturing Processes and Technology	
Chair	Professor F. Frank Chen	

ID	Paper Title	Author(s)
MP2	Design and Operation of an Opto-pair Fiber	H. Golnabi
	Probe Scanner for Object Curvature Analysis	
MP4	Application of Cpk and Ppk for Improving	Chiun-Ming Liu and
	Manufacturing Process in a Bike Company	Wei-Chun Seng
MP5	Integrated machining time estimation using	Abayomi B. O Debode,
	standardised micro-process planning	Aydin Nassehi,
	information	Linda B. Newnes and
		Stephen T. Newman

Time	16:00-17:20	
Session	Mon. 3 Room: 202	
Topic	Modeling and Simulation of Manufacturing Systems and Processes	
Chair	Professor I-Hsuan Hong	

ID	Paper Title	Author(s)
SU18	A pilot study for the design and analysis of	Chiung-Hsi Hsieh,
	segmented automated material handling	Chiwoon Cho, Taho Yang
	systems in 300-mm semiconductor fabs	and Ting-Jiun Chang
SU21	Intelligent Framework for Aero Engine Design	Dani Harmanto
	using Feature-Based Classification	
SU24	Raw material cost minimization using open	Urs Buehlmann,
	source software	R. Edward Thomas and
		Rebecca A. Buck

Time	16:00-17:20	
Session	Mon. 3 Room: 203	
Topic	Manufacturing Inventory Control &	
	IT and Internet Applications in Manufacturing	
Chair	Professor Gary C. Lin	

ID	Paper Title	Author(s)
IC2	On a Production-Inventory Model Subject	Gary C. Lin,
	with an Imperfect Production System Subject	Dah-Chuan Gong and
	to Two Key Subsystems	Wen-Na Ma
IT1	B2B diffusion in SME's supply chain: A	Felix T.S. Chan and
	multi-stage analysis	Alain Yee-Loong Chong
IT4	Dynamic production control system for small	Chung Yeh and
	and medium-sized manufacturing: Implement	Wen-Chin Liu
	on plastic blow-molding machine	

Time	16:00-17:20	
Session	Mon. 3 Room: 205	
Topic	Modeling and Simulation of Manufacturing Systems and Processes	
Chair	Professor Ying-Chin Ho	

ID	Paper Title	Author(s)
SS1	RFID Enhanced Disassembly Planning and	Venkata Krishna Gonnuru
	Sequencing for End-of-Life Products	and Hung-da Wan
SS2	Optimisation of Disassembly Sequence for	D. A. Wahab, T. F. Go,
	End-of-Life Automotive Components	R. Ramli and
		M.N.Ab. Rahman
SS4	Sustainable Manufacturing and Eco- Factories	Leino T., Salminen K and
	within sustainable industrial areas within fast	Joutsiniemi A
	growing Eco- cities	

Time	10:20-12:00
Session	Tues. 1 Room: 201
Topic	Production Planning and Scheduling
Chair	Professor Shing Chih Tsai

ID	Paper Title	Author(s)
PS5	The Use of Integer Programming Formulation	Cheng Kang Lee,
	and Simulation in Solving a Practical	Yu-An Shen, Taho Yang
	Multi-site Production Planning Problem	and Ai-Ling Tang
PS12	Combination of simulation and capacity	Andreas Klemmt,
	optimization for detailed production	Jan Lange,
	scheduling in semiconductor manufacturing	Gerald Weigert, Eik Beier
		and Sebastian Werner
PS14	Decentralized Production Planning and	Ville Toivonen,
	Control in a Collaborative SME Network	Ville Väistö, T. Perälä and
		R. Tuokko
PS15	An Analysis of Fuzzy Multiple Goal	Wang Earl-Juei and
	Programming Model for Increasing the	Su Tai-Sheng
	Effectiveness of Capacity Planning and	
	Outsourcing	

Time	10:20-12:00	
Session	Tues. 1 Room: 202	
Topic	Manufacturing Processes and Technology	
Chair	Professor Seppo Torvinen	

ID	Paper Title	Author(s)
MP8	Manufacturing Process Extraction and	Sangil Lee, Jason Ree,
	Improving Efficiency using Process Mining	Kwangyeol Ryu,
		Minseok Song and
		Hyerim Bae
MP9	Improving Performance of Plastic Injection	Abbas Al-Refaie,
	Molding Using Grey Analysis	Ming-Hsien Li and Nour
		Bata
MP11	A Fault Detection and Classification	Chen-Fu Chien,
	Framework for Yield Enhancement in	Chia-Yu Hsu and
	Semiconductor Manufacturing	Pei-Non Chen
MP12	OPTIMISED DESIGN OF A COOLING CHANNEL	Dani Harmanto and Ilias
	FOR INJECTION MOULDING USING	Oraifige
	COMPUTATIONAL FLUID DYNAMICS AND	
	FINITE ELEMENT ANALYSIS SIMULATION	
	TECHNIQUES	

Time	10:20-12:00
Session	Tues. 1 Room: 203
Topic	Manufacturing Systems
Chair	Professor Chike F. Oduoza

ID	Paper Title	Author(s)
MS2	Specifics of the implementation of Lean	Uwe Dombrowski,
IVISZ	·	•
	Production Systems in small and	Kai Schmidtchen and
	medium-sized enterprises	Sven Schulze
MS5	Collaboration Hub 2.0: Advanced Concept of	Jae Yong Baek,
	Collaboration Hub 1.0 for Small and	Bo Hyun Kim,
	Medium-sized Manufacturing Enterprises	So Young Jung and
		Seok Woo Lee
MS8	Development of a Collaborative Quality	Sung Ho Nam,
	Management System	Hong Jin Jeong,
	in the Order-Based Automotive Industry	Bo Hyun Kim and
		So Young Jung
MS9	A Universal CNC System for Intelligent and	Firman Ridwan, Xun Xu,
	Interoperable Machining	Aini Zuhra Abdul Kadir
		and Johannes Nittinger

Time	10:20-12:00
Session	Tues. 1 Room: 205
Topic	Other Relevant Topics
Chair	Professor Yusin Lee

ID	Paper Title	Author(s)
TP7	Tracking and Detecting Moving Objects Using	Hung-Yin Tsai, Yen-Po Lin
	Stereo Camera on Moving Platform	and Cheng-Che Chen
TP8	Dynamic Demand Differentiation for Partially	Cheng-Hung Wu and
	Flexible Manufacturing and Service Systems	Po-Hsin Lin
TP9	Identifying key drivers of patient satisfaction	Wen-Jen Chang and
	in dental service	Yen-Hsiang Chang
TP11	Releasing hidden profit by making	Yi-Cheng (Waldo) Yeh
	non-strategic costs strategic	

Time	10:20-12:00
Session	Tues. 1 Room: 206
Topic	Industrial Automation and Process Control
Chair	Professor Jose Garza Reyes

ID	Paper Title	Author(s)
IA1	Measuring and Controlling Interface levels in	Mohamed Sawessi,
	Crude oil Separator	Farhad Nabhani and
		lan French
IA4	An Efficient Process Control System for	Cheol-Soo Lee,
	Radioactive Pharmaceutical Composition	Eun-Young Heo,
	Equipment	Dong-Soo Kim,
		Leonard Tijing and
		Dong-Won Kim
IA5	Flexible Robotized Automation in	Fredrik Danielsson and
	Manufacturing Systems	Bo Svensson
IA7	Automatic Recognition System for Side View	Der-Baau Perng,
	SMD-LED Defect	Hsiao-Wei Liu and
		Ching-Ching Chang

Time	14:00-15:40	
Session	Tues. 2 Room: 201	
Topic	Production Planning and Scheduling	
Chair	Professor Horng-Chyi Horng	

ID	Paper Title	Author(s)
PS6	Genetic Algorithms for the Evaluation of	Tim Neumann,
	Process Variants	Daniel Kretz, Jörg Militzer
		and Tobias Teich
PS17	Improved Confidence Interval Bounds for	Mou-Yuan Liao,
	Process Incapability	Chien-Hui Yang,
		Chien-Wei Wu and
		Chien-Hsin Yang
PS23	An Effective Variable Neighborhood Search	Yun-Chia Liang and
	Approach to Multi-Objective Resource	Chia-Yin Chuang
	Allocation Problems	
PS26	Job Shop Scheduling with Deadlines to	Hong-An Yang,
	Minimize the Sum of Weighted Earliness and	Qi feng Sun and
	Weighted Tardiness of Jobs	Liang liang Qi

Time	14:00-15:40	
Session	Tues. 2 Room: 202	
Topic	Modeling and Simulation of Manufacturing Systems and Processes	
Chair	Professor I-Lin Wang	

ID	Paper Title	Author(s)
SU5	An Algorithm for the Steel H-Beam Cutting	Yusin Lee and
	Problem	Kuo-Chun Hsu
SU12	Discrete Optimization via Simulation	Sheng-Yang Fu and
	Algorithm Considering Single Stochastic	Shing Chih Tsai
	Constraint	
SU14	Automated Generation of Discrete Event	Henrik Carlsson,
	System Simulation Models for Flexible	Jim Nilsson,
	Automation	Fredrik Danielsson and
		Bengt Lennartson
SU15	A faster collision detection method applied	Nima K. Nia,
	on a sheet metal press line	Fredrik Danielsson and
		Bengt Lennartson

Time	14:00-15:40	
Session	Tues. 2 Room: 203	
Topic	Manufacturing Services and Operations Management	
Chair	Professor Tin-Chih Toly Chen	

ID	Paper Title	Author(s)
SO8	A Genetic Algorithm Based Simulation	Xiaokun Chang,
	Optimization of Integrated Delivery in	Ming Dong and
	Semiconductor Wafer Fabs	F. Frank Chen
SO9	Heuristics for the Flexible Flow Line with	Chun-Lung Chen and
	Recirculation, Setup, and Job Splitting	Wei-Jen Lu
	Scheduling Problems in Service Industry	
SO11	The Study of Critical Factors for PDM System	Wei-Jung Shiang,
	Evaluation— a Case Analysis of a Taiwanese	Yi-Syuan Chen and
	Precision Machinery Manufacturer	Yu-Hsin Lin
SO13	Task Scheduling with Dynamic	Dinh Thanh Cong,
	Sequence-dependent Setup Time using	Zhenguo Wang,
	Asymmetric TSP	Hyerim Bae and
		Kwangyeol Ryu

Time	14:00-15:40	
Session	Tues. 2 Room: 205	
Topic	Six Sigma and TQM in Manufacturing Enterprises &	
	Manufacturing Environmental Health, and Safety Engineering &	
	Industrial Automation and Process Control	
Chair	Professor Chi-Wei Lin	

ID	Paper Title	Author(s)
ST2	Reducing impurity of TFT-LCD substrate glass	Ming-Hsien Caleb Li,
	and increasing yield by using six sigma	Chao-Hsiung Benjamin
	management	Yeh and Abbas Al-Refaie
ST3	Evaluating and Improving Knowledge	Chia-jou Lin,
	Retrieval Systems by Six Sigma Tools	Hung-da Wan,
		F. Frank Chen and
		Yuh-min Chen
ES2	Framework for Multidimensional Evaluation	K.M.G.K. Konara,
	of Building Performance	Y. G. Sandanayake and
		C. F. Oduoza
IA16	Monitoring and Measuring Different Liquid	Mohamed Sawessi,
	Levels in Crude Oil Production Facilities	Farhad Nabhani and
		Ian French

Time	16:00-17:20
Session	Tues. 3 Room: 201
Topic	Lean and Agile Manufacturing
Chair	Professor Yun-Chia Liang

ID	Paper Title	Author(s)
LA8	Promoting Sustainable Competitiveness in	Hongyi Chen,
	Lean Companies through Long Term Value	David A. Wyrick and
	Creation	Richard R. Lindeke
LA9	A Knowledge Kanban Framework for New	Chia-jou Lin,
	Product Development	F. Frank Chen and
		Yuh-min Chen
LA10	Shape Deformation Technology for Agile	Zhixin Yang and
	Product Development	Kin Man Lo

Time	16:00-17:20	
Session	Tues. 3 Room: 202	
Topic	Manufacturing Enterprise Knowledge Management	
Chair	Professor Hsiang-Hsi Huang	

ID	Paper Title	Author(s)
EK4	Applied Knowledge Engineering in Advanced	S.F. Wong and
	Teapot Design System	A. Vong
EK2	Decision Support for Product Development	Chike F. Oduoza,
	During Cold Roll Forming	Alan Harris and
		Ahmed Al-Ashaab
EK1	Monitoring and Control of Distributed	Radu F. Babiceanu
	Manufacturing Enterprises Enabled by	
	Sensors, Wireless Communication and Cloud	
	Computing	

Time	16:00-17:20	
Session	Tues. 3 Room: 203	
Topic	Global Manufacturing, Supply Chain, and Logistics	
Chair	Profeesor Dong-Won Kim	

ID	Paper Title	Author(s)
GS6	A Bottleneck Steiner Tree based	Jin Zhang,
	Multi-objective Location Optimization of	Ming Dong and
	Emergency Logistics Systems	F. Frank Chen
GS14	Green Investment Cost Optimization Model	Seungbae Sim,
	in the Supply Chain	Bongju Jeong,
		Hosang Jung and
		Seunghee Sohn
GS16	The Joint effect of VMI and transhipment for a three-echelon system	Seungjin Oh, Kwangyeol
	a tillee-echelon system	Ryu, Kiyoul Lee, and
		Mooyoung Jung
GS17	Using GRAI Methodology for the	Paul-Eric Dossou and
	improvement of Lead Time in the overall	Philip Mitchell
	Supply Chain	

Time	16:00-17:20	
Session	Tues. 3 Room: 205	
Topic	Design for Manufacturing and Assembly	
Chair	Professor Yu-Hsin Lin	

ID	Paper Title	Author(s)
PD1	Developing an integrated software solution	Daniel Kretz,
	for feature based design and generative	Joerg Militzer,
	process planning	Tim Neumann and
		Tobias Teich
PD2	Multi-BOM Management System for	Bo-Hyun Kim,
	Supporting Product Development	So-Young Jung,
		Jae-Yong Baek, Joseph Oh
		and Hun-Zong Choi
PD4	TRIZ and DFMA Guidelines	Chi-Wei Lin and
		Meng-Chen Hsieh

Time	10:20-12:00	
Session	Wed. 1 Room: 201	
Topic	Micro and Nano Manufacturing	
Chair	Professor Yi-Chi Wang	

ID	Paper Title	Author(s)
MN2	Fabrication of AR film using nano-imprint	Hung-Yin Tsai,
	lithography with a diamond mold	Ching-Wen Liu,
		Chih-Cheng Yeh and
		Eric Pierre Shih
MN3	A Study on the Machinability of Micro	Cheol-Soo Lee,
	Channel using Micro-EDM	Jong-Min Kim,
		Eun-Young Heo,
		Byung-Mun Kim and
		Dong-Won Kim
MN4	A Study on the Optimal Machining Condition	Cheol-Soo Lee,
	of the Micro Hole in Micro-EDM Process	Eun-Young Heo,
		Min-Sung Hong and
		Jong-Min Kim

Time	10:20-12:00	
Session	Wed. 1 Room: 202	
Topic	Industrial Automation and Process Control	
Chair	Professor Ming-Hsien Caleb Li	

ID	Paper Title	Author(s)
IA12	Manufacturing Intelligence and Feedback	Chia-Yu Hsu,
	Control for Semiconductor Yield	Chen-Fu Chien,
	Enhancement	Ying-Jen Chen and
		Goddie Chou
IA13	Simulation Based Performance Evaluation of	Banu Y. Ekren and
	AVS/RS	Sunderesh S. Heragu
IA15	An Automation Migration Strategy for a	Jun-Ing Ker and
	Washer/Magnet Assembly Work Cell	Min-Nan Li
IA17	Detection of Directional Changes in	Chen-ju Lin and
	Spatiotemporal Data	Yen-ting Chen

Time	10:20-12:00	
Session	Wed. 1 Room: 203	
Topic	Manufacturing Technology Management and Innovations &	
	Other Relevant Topics	
Chair	Professor Chien-Wei Wu	

ID	Paper Title	Author(s)
TM4	Using Systematic Innovation Process (TRIZ	T. C. Hsia, S. C. Chen,
	Method) to Improve the Manufacturing	R. K. Tsai and
	Technology of Platelet Agitators	S. C. Huang
TP12	Business Process Management based Service	Hyouk Jin Kwon,
	Modeling Framework in the Service	Bo Hyun Kim and
	Laboratory Environment	Jae Yong Baek
TP13	A Simulation Study on the Bike Redistribution	I-Lin Wang and
	Strategies for Public Bike Sharing Systems	Chun-Wei Wang
TP14	Current Status of Function Blocks for Process	Lihui Wang,
	Planning and Execution Control of	Göran Adamson,
	Manufacturing Equipment	Magnus Holm and
		Philip Moore