Program (tentative 2013/07/01)

Thursday, July 18

12:30-

Registration

13:30-14:00 Opening Session

14:00-15:00

Technical Session 1A: Manufacturing Systems and Scheduling 1		
1A1:	OEE Mesurement by Taguchi Method with Simulation1	
	Dani Yuniawan, Effendi Mohamad and Teruaki Ito	
1A2:	Postponement of Stock Order management Using Multi Decoupling Point on	
	Bill-Of-Materials Structure	
	Shinsuke Nomoto and Yasuyuki Nishioka	
Technical Session 1B: Workforce Scheduling 1		
1B1:	Assignment of Human Operators to Machine Tools and Scheduling Considering	
	Statistical Distribution of Processing Times	
	Koji Iwamura, Hiroya Tagashira, Yoshitaka Tanimizu and Nobuhiro Sugimura	
1B2:	Scheduling Work Shifts to Fit Customer Buying Behavior: Increasing Time Waiting	
	on Customers and Subsequently Retail Sales by Improving Work Efficiency 12	
	Yusuke Oe, Mayumi Takeda, Masaki Kato, Natsuko Yano and Tsutomu Saito	
15:00-16:00 Coffee Break		
16:00-17:30		

Technical Session 2A: Manufacturing Systems and Scheduling 2

Technical Session 2B: Workforce Scheduling 2

2B1:	Labor Scheduling Program for Supermarkets Focused on Monthly Productivity: Cas	se
	Study on Checkout, Meat, and Delicatessen Departments	7
	Takashi Ohyama	

17:50-18:50

k	Leynote Speech
	Workforce Scheduling: Models, Methods and Future Challenges 55
	Janny M.Y. Leung

19:00-20:30 Reception

Friday, July 19

10:00-11:00

Technical Session 3A: Combinatorial Optimization 1

3A1:	Pseudo-Polynomial Time Algorithms for Food Mixture Packing by Automatic
	Combination weighers
	Shinji Imahori and Yoshiyuki Karuno
3A2:	Maximizing the Total Weight of Just-in-Time Jobs under Multi-Slot Conditions is
	NP-Hard······65
	Eishi Chiba and Shinji Imahori
Techr	nical Session 3B: SCM and Logistics 2
3B1:	Possibilistic Programming Approach for Multi-Objective Inventory Problem in
	Two-Echelon Supply Chain System
	Dicky Fatrias and Yoshiaki Shimizu
3B2:	Three Echelon Logistics Optimization for Operational Planning74
	Yoshiaki Shimizu and Tatsuhiko Sakaguchi
11:00-12	2-00
	2:00 nical Session 4A: Combinatorial Optimization 2
4A1:	Efficient Construction Heuristic Algorithms for the Rectilinear Block Packing
	Problem

Y. Hu, H. Hashimoto, S. Imahori, M. Yagiura

Technical Session 4B: SCM and Logistics 3

12:00-13:00

Lunch

13:00-14:30

Technical Session 5A: Resource Allocation and Scheduling

- 5A1: Optimal Budget and Schedule for Projects with Upstream-Dependent Risks 103 Tomoichi Sato

Technical Session 5B: SCM and Logistics 4

- 5B3: Real-Time Capable Supply Chain Planning: Designing a Collaborative Supply Chain Concept Based on Real-Time Data -- 131 Günther Schuh and Niklas Hering

14:30-15:00 Coffee Break

15:00-15:30

Invited Talk

Development of Dynamic Exchange Dissassembly Order Algorithm for the Purpose of Fast Automatic Generation of Assembly Animation and 3D Work Instruction Sheets

Atsuko Enomoto, Daisuke Tsutsumi, Quiquige Bayasi, Kiichiro Iida, and Toshiaki Shibata

15:30-16:30

Keynote Speech	
Disassembly: A Comprehensive Overview	

Surendra M. Gupta

18:00-19:30

Banquet (Hotel Nikko Tokyo)

Saturday, July 20

9:00-10:30

Technical Session 6A: SCM and Logistics 5

6A1:	Facility Location Design Methodology of Global Supply Chain - Automatic
	Extraction of Optimal Facility Location Design Idea in Cost Standard166
	Yasutaka Koga and Satoshi Yoshida
6A2:	A Game Theoretic Approach to Three-Echelon Supply Chains with Asymmetric
	Quality Information172
	Sisi Yin, Tatsushi Nishi and Guoqing Zhang
6A3:	A Closed-Loop Supply Chain Model for Parts Reuse Considering Economic
	Efficiency
	Yoshitaka Tanimizu, Yusuke Shimizu, Koji Iwamura, and Nobuhiro Sugimura
ті	
Techn	ical Session 6B: Green Logistics
6B1:	Low-Carbon of Supplier Selection Using the Life Cycle Inventory Database in China

- 6B2: An Optimal Design for Global Supply Chain Network Considering CO2 Emissions of Part Production 190
 Tomoyuki Urata, Tetsuo Yamada, Norihiro Itsubo, Masato Inoue
- 6B3: Simulation Analysis of Supply Chain Network with Stochastic Lead Time196
 Tetsu Kawasaki and Tetsuo Yamada

10:30-11:00 Coffee Break

11:00-12:00

12:00-12:10 Closing Session