

2014 IEEE Symposium on Computational Intelligence in Production and Logistics Systems

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TABLE OF CONTENTS

IEEE SSCI 2014 General Committee v

IEEE CIPLS 2014 Committee..... vi

Keynote Talk: CIPLS'14 viii

Wednesday, December 10

9:20AM-10:00AM

CIPLS'14 Keynote Talk

Heuristic Algorithms in Scheduling

Fatih Tasgetiren

10:20AM-12:00PM

CIPLS'14 Session 1: Computational Intelligence in Production Systems

Chair: Fatih Tasgetiren and Raymond Chiong

10:20AM	<i>Hybrid Harmony Search Algorithm to minimize total weighted tardiness in permutation flow shop</i>	1
	Mohammad Komaki, Shaya Sheikh and Ehsan Teymourian	
10:40AM	<i>A coordination mechanism for capacitated lot-sizing in non-hierarchical n-tier supply chains</i>	9
	Frieder Reiss and Tobias Buer	
11:00AM	<i>An Iterated Greedy Algorithm for the Hybrid Flowshop Problem with Makespan Criterion</i>	16
	Damla Kizilay, M. Fatih Tasgetiren, Quan-Ke Pan and Ling Wang	
11:20AM	<i>An agent-based approach to simulate production, degradation, repair, replacement and preventive maintenance of manufacturing systems</i>	24
	Emanuel Federico Alsina, Giacomo Cabri and Alberto Regattieri	
11:40AM	<i>Common Due-Window Problem: Polynomial Algorithms for a Given Processing Sequence</i>	32
	Abhishek Awasthi, Joerg Laessig, Oliver Kramer and Thomas Weise	

1:30PM-3:10PM

CIPLS'14 Session 2: Computational Intelligence in Logistics Systems

Chair: Sona Kande and Bülent Çatay

1:30PM	<i>Design of Multi-product / Multi-period Closed-Loop Reverse Logistics Network Using a Genetic Algorithm</i>	40
	Helga Hernandez-Hernandez, Jairo R. Montoya-Torres and Fabricio Niebles-Atencio	
1:50PM	<i>Solving capacitated vehicle routing problem by artificial bee colony algorithm</i>	48
	Alberto Gomez and Said Salhi	
2:10PM	<i>A genetic algorithm with an embedded Ikeda map applied to an order picking problem in a multi-aisle warehouse</i>	53
	Michael Stauffer, Remo Ryter, Donald Davendra, Rolf Dornberger and Thomas Hanne	
2:30PM	<i>An Improved Optimization Method based on Intelligent Water Drops Algorithm for the Vehicle Routing Problem</i>	59
	Zahra Booyavi, Ehsan Teymourian, Mohammad Komaki and Shaya Sheikh	
2:50PM	<i>Iterated Local Search with neighborhood space reduction for two-echelon distribution network for perishable products</i>	67
	Sona Kande, Christian Prins, Lucile Belgacem and Redon Benjamin	

3:30PM-5:10PM

Special Session: CIPLS'14 Session 3: Supply Chain Design, Optimization, and Management

Chair: Hernan Chavez and Krystel Castillo

3:30PM	<i>Managing Inventories in Multi-echelon On-line Retail Fulfillment System with Different Response Lead Time Demands</i>	75
	Juan Li and John Muckstadt	
3:50PM	<i>A bi-objective model for local and Global Green Supply Chain</i>	83
	Neale Smith, Mario Manzano, Krystel K. Castillo-Villar and Luis Rivera-Morales	
4:10PM	<i>A bi-objective inventory routing problem by considering customer satisfaction level in context of perishable product</i>	91
	Mohammad Rahimi, Armand Baboli and Yacine Rekiq	
4:30PM	<i>A Preliminary Simulated Annealing for Resilience Supply Chains</i>	98
	Krystel Castillo-Villar and Hernan Chavez	

Thursday, December 11

5:10PM-6:45PM

Poster Session: SSCI'14 Poster Session

P161	<i>A Distance Based Variable Neighborhood Search for Parallel Machine Scheduling</i>	106
	Andre Batista and Lucas Batista	
P162	<i>GPU Accelerated NEH Algorithm</i>	114
	Magdalena Metlicka, Donald Davendra, Frank Hermann, Markus Meier and Matthias Amann	
P163	<i>A Two-Layer Optimization Framework for UAV Path Planning with Interval Uncertainties</i>	120
	Bai Li, Raymond Chiong and Mu Lin	
P164	<i>Realtime Dynamic Clustering for Interference and Traffic Adaptation in Wireless TDD System</i>	128
	Mingliang Tao, Qimei Cui, Xiaofeng Tao and Haihong Xiao	
P165	<i>Optimization of Material Supply Model in an Emergent Disaster Using Differential Evolution</i>	134
	Qi Cao and K. M. Leung	
P166	<i>Determining the Cost Impact of SCM System Errors</i>	141
	John Medellin	
P167	<i>Comparing a Hybrid Branch and Bound Algorithm with Evolutionary Computation Methods, Local Search and their Hybrids on the TSP</i>	148
	Yan Jiang, Thomas Weise, Joerg Laessig, Raymond Chiong and Rukshan Athauda	

AUTHOR INDEX	156
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