# 41st Annual International Logistics Conference and Exhibition (SOLE 2006)

**Logistics: The Next Generation** 

Dallas, Texas, USA 15-17 August 2006

ISBN: 978-1-63439-578-6

#### Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2006) by SOLE – The International Society of Logistics All rights reserved.

Printed by Curran Associates, Inc. (2015)

For permission requests, please contact SOLE – The International Society of Logistics at the address below.

SOLE – The International Society of Logistics 14625 Baltimore Avenue, Suite 303 Laurel, Maryland 20707-4902 USA

Phone: (301) 459-8446 Fax: (301) 459-1522

solehq@erols.com

#### Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA

Phone: 845-758-0400 Fax: 845-758-2634

Email: curran@proceedings.com Web: www.proceedings.com

## TABLE OF CONTENTS

WORKFORCE DEVELOPMENT	
HARNESSING THE FULL POTENTIAL OF THE LOGISTICS WORKFORCE THROUGH COMMUNITIES OF PRACTICE  Patrice Jackson	1
ACADEMIC RESPONSE TO NEED: THE MASTER IN BUSINESS LOGISTICS ENGINEERING (MBLE) AT THE OHIO STATE UNIVERSITY	5
Martha Cooper, Marc E. Posner, Walter Zinn PEOPLE FIRST - PROJECT MANAGER TRAINING AND DEVELOPMENT IN DEFENSE	
AGENCIES AND INDUSTRIES IN EUROPE AND THE UNITED STATES	12
COGNITION & DECISION MAKING	
TRANSLATING OPERATIONS INTO LOGISTIC IMPLICATIONS: THE ROLE OF INTELLIGENT TOOLS	60
Anthony A. Wood  ASSET VISIBILITY NETCENTRICITY: BEYOND LEGACY SYSTEMS	85
RAPID & PRECISE RESPONSE	
LOGISTICS FOR THE 21 <sup>ST</sup> CENTURY: DEPLOYMENT DISTRIBUTION OPERATION CENTER, QUICK FIX OR LONG-TERM SOLUTION?	96
CRITICAL FACTORS IN DIFFERENT SCALE ACQUISITION PROGRAMS  Gokhan Ozkan, Murat Korkut	116
PERFORMANCE-BASED LOGISTICS: THE BASICS AND BEYOND  Kate Vitasek, Steve Geary, Robert M. Quick	124
MAKING USE OF REAL-TIME SUPPLY CHAIN VISIBILITY DASHBOARDS - A CASE STUDY IN SUPPLY CHAIN OPTIMIZATION.  Steve Hensley	141
PBL PAPER SESSION	
TO BOLDLY GO INTO PBL (EVEN WITH LIMITED SUPPORTABILITY DATA)  Beth Carlock	148
PLENARY SESSION	
LOGISTICS AND SUPPLY CHAIN MANAGEMENT– A SPACE OPERATIONS ENABLER	160
SYSTEM DESIGN & DEVELOPMENT	
ORBITAL SERVICE UTILITY VEHICLE FOR A LOW EARTH ORBIT FUEL DEPOT	167
IN-SPACE AVIONICS MAINTENANCE DESIGN TO SUPPORT LONG DURATION MISSIONS  Elizabeth Pierotti, Terry Soich	178

### PREDICTIVE PLANNING

SUPPLY CHAIN INFRASTRUCTURES FOR CIVIL SPACE	186
,,	106
A MATHEMATICAL MODEL FOR INTERPLANETARY LOGISTICS	196
Christine Taylor, Miao Song, Diego Klabjan, Olivier De Weck, David Simchi-Levi	216
A ROADMAP FOR FUTURE SYSTEMS SUPPORT	216
Ed Friedman	
HUMAN SYSTEM INTEGRATION	
TELE-ROBOTICS RISK REDUCTION FOR HOSTILE ENVIRONMENTS	224
Jill McGuire	
THE WORLDWIDE LEAD (PB)-FREE ELECTRONICS MANDATE AND HOMELAND	221
SECURITY CONSEQUENCES	231
Fred Verdi TO THE MOON: COMMERCIALLY	226
Walter P. Kistler, Bob Citron, Tom Taylor	236
CLOSING PLENARY	
REMARKS BY MR. LOU KRATZ: FOCUSED LOGISTICS	249
Lou Kratz	
SECURITY, CAPACITY AND RISK MANAGEMENT: THE CASE OF TIH PRODUCTS AND	
THE PRESSURE TANK CAR	253
Patrick J. Krick	
ADAPTIVE MANAGEMENT OF POWER GENERATION BEFORE, DURING, AND AFTER THE	
NEED FOR HUMANITARIAN AND DISASTER RELIEF	258
William Hogelin	
Author Index	