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IERC Lean Track:

Track Chairs: Ertunga Ozelkan (University of North Carolina at Charlotte), Rupy Sawhney (University of Tennessee)

Total Lean Track Sessions: 9 (including the lean tutorial under the Tutorial Track)

Total Presentations: 32

(Session Duration: All IERC sessions last 75 minutes)

Date / Time / Room : S1215 Room: Ryder Sun, May 31, 12:15 PM

Session: Lean Case Studies - I

Chair: Sharon Johnson (Worcester Polytechnic Institute)

Applying Lean Principles at a Home Healthcare Agency ID: 526

Sirine Saleem, University of Rhode Island; Valerie Maier-Speredelozzi, University of Rhode Island; Reema Alanber, University of Rhode Island; Friederike Vollenberg, University of Rhode Island; Sam Cheung, University of Rhode Island;

Managing Lean Implementation Risks: A Case Study ID: 367

Elizabeth Cudney, Missouri S&T; Katie Grantham Lough, ;

Lean Process Design Case Studies ID: 359

Susan Pariseau, Merrimack College; Venkat Allada, Missouri S&T; Sharon Johnson, Worcester Polytechnic Institute;

Lean Wake-up Call in Pass and Seymour/legrand: A Case Study ID: 358

Ertunga Ozelkan, University of North Carolina at Charlotte; Dean Nestvogel, Pass & Seymour/Legrand; Agnes Galambosi, University of North Carolina at Charlotte;

Date / Time / Room: S145 Room: Ryder Sun, May 31, 1:45 PM

Session: Lean Tools and Techniques

Chair: Elizabeth Cudney (Missouri S&T)

A preliminary decision-support system for the selection of lean tools ID: 287

Jennifer Farris, ; Nikhil Bhat Inanjai, Texas Tech University;

A Framework for the Implementation of Lean Techniques in Process Industries ID:

183 Jennifer Farris, ; Naveen Rathi, Texas Tech University;

Study on the Integration of Lean Production and Six Sigma ID: 943

Zhihong Zhang, Shandong Economic University; Zhen He, Tianjin University;

An Evaluation of Lean Technique Effectiveness ID: 110

Elizabeth Cudney, Missouri S&T; Samuel Emery, Missouri S&T; Suzanna Long, Missouri University of Science and Technology;

Date / Time / Room: S315 Room: Ryder Sun, May 31, 3:15 PM
Session: Lean for Green Manufacturing
Chair: Paul McCright (University of South Florida)

Are Lean and Green Programs Synergistic? ID: 621
Gary Bergmiller, Zero Waste Operations Research and Consulting; Paul McCright,
University of South Florida;

Parallel Models for Lean and Green Operations ID: 534
Gary Bergmiller, Zero Waste Operations Research and Consulting; Paul McCright,
University of South Florida;

LEANING REVERSE LOGISTICS OPERATIONS ID: 292
MD Sarder, University of Southern Mississippi; Mohammad Rahman, The University
of Southern Mississippi; Sumanth Yenduri, University of Southern Mississippi;
Edmund Ijumba, Armstrong Building Products - Technology;

Lean Manufacturers' Transcendence to Green Manufacturing ID: 535
Gary Bergmiller, Zero Waste Operations Research and Consulting; Paul McCright,
University of South Florida;

Date / Time / Room: S445 Room: Ryder Sun, May 31, 4:45 PM
Session: Lean Paper Competition Winners and Lean Modeling Simulation
Chair: Ahad Ali (Lawrence Technological University)

A COMPARATIVE STUDY OF POLCA AND GENERIC CONWIP PRODUCTION
CONTROL SYSTEMS IN ERRATIC DEMAND CONDITIONS ID: 1094
Ozgur Kabadurmus, Auburn University;

Determining the Effectiveness of Specialized Bank Tellers ID: 1093
David Hamilton, University of Michigan; Inder Dhillon, University of Michigan; Brian
Rumao, University of Michigan;

A Lean Approach to Vehicle Routing ID: 4
Lourdes Avila, Cervecerias Cuauhtemoc Moctezuma, S.A.; Brenda Durán, Cervecerías
Cuauhtemoc Moctezuma, S.A.; Mayte Sañudo, Cervecería Cuauhtemoc Moctezuma,
S.A.; BERNARDO VILLARREAL, UNIVERSIDAD DE MONTERREY;

Applying Group Technology to Allocate and Standardize Corrugated Cardboard
Packaging ID: 874 Andrés Hurtado, Pontificia Universidad Javeriana Cali; Catalina
Lince, Pontificia Universidad Javeriana Cali; Aura López, Pontificia Universidad
Javeriana Cali; John E. Escobar, Pontificia Universidad Javeriana Cali;

Date / Time / Room M830 Room: Willow Mon, Jun 1, 8:30 AM
Session Lean Case Studies - II
Chair Jiju Antony (University of Strathclyde)

Improving SMED in the Automotive Industry: A case study ID: 653
Ana Sofia Alves, Faculty of Sciences and Technology; Alexandra Tenera, University
Nova of Lisbon;

Scheduling and Production Control Function in Lean environments ID: 749
Alexandra Tenera, University Nova of Lisbon; Carina Faruk Haider, Delphi
Automotive System;

A Lean Management Model ID: 75
Pablo Nuno, UPAEP University; Maria Guadalupe López-Molina, UPAEP University;
Bernardo Reyes Guerra, ITESM Campus Puebla;

Six Sigma in a UK Hotel Industry: Some early findings and directions for further
research ID: 1052
Jiju Antony, University of Strathclyde;

Date / Time / Room: M445 Room: Legends 3 Mon, Jun 1, 4:45 PM
Session: Lean Tutorial: Perspectives that Enhance Basic Lean Modeling
(Scheduled under Tutorial Track)
Chair: Rupy Sawhney (University of Tennessee), Ertunga Ozelkan (University
of North Carolina at Charlotte)

Perspectives that Enhance Basic Lean Modeling ID: 903
Rupy Sawhney, ; Ertunga Ozelkan, ;

Date / Time / Room: T1030 Room: Lantana Tue, Jun 2, 10:30 AM
Session: Improving Healthcare Operations using Lean and Six
Sigma Techniques
Chair: Claribel Bonilla (University of San Diego)

Using Gage R&R to evaluate therapist performance in a radiation oncology
department ID: 1048
Claribel Bonilla , ; Ashlee Enriquez, University of San Diego; Todd Pawlicki, ;

Design of a Kanban System for an OR Sterile Supply Room: A Case Study ID: 342
Mohammadali Khorajia, Texas Tech University; Jennifer Farris, ; Shane Haas, Simple
Health Systems, Inc;

Industrial Engineering Student Healthcare Projects: Student Successes and
Logistical Concerns ID: 783
Brad Chase, ; Leonard Perry, ;

Date / Time / Room: T1215 Room: Legends 1 Tue, Jun 2, 12:15 PM
Session: Lean Assessment and Metrics
Chair: Meenakshi Sundaram (Tennessee Tech University)

Adaptive Lean Assessment and Training Using Web-based Interactive Roadmap ID: 856 Saumya Tamma, University of Texas at San Antonio; Hung-da Wan, University of Texas at San Antonio; Glenn Kuriger, University of Texas at San Antonio;

A Waste Relationship Model for Better Decision Making in Lean Manufacturing ID: 705 Sainath Gopinath, University of Calgary; Theodor Freiheit, University of Calgary;

Comparison of Maintenance Operations in Lean vs. Non-Lean Production Systems ID: 30 Farman A. Moayed, Indiana State University;

Comprehensive Metrics For Assessing Lean Production Systems ID: 667 Meenakshi Sundaram, Tennessee Tech University;

Date / Time / Room : T145 Room: Legends 1 Tue, Jun 2, 1:45 PM
Session: Lean Product & Process Design
Chair: Rupy Sawhney (University of Tennessee)

Designing and Optimizing the Test Operations During New Product Introduction of High-end Servers ID: 1028 Juan Garzon, IBM Corporation; Sreekanth Ramakrishnan, IBM Corporation; Richard Finch, IBM Corporation;

Enhancing Lean Sustainability via Bayesian Network Techniques ID: 871 Yanzhen Li, Univeristy of Tennessee at Knoxville; Gagan Rajpal, University of Tennessee at Knoxville; Rupy Sawhney, ; Xueping Li, The University of Tennessee;

Information Based Model in Lean Product Development ID: 916 Gagan Rajpal, University of Tennessee at Knoxville; Rupy Sawhney, ; Karthik Subburaman, University Of Tennessee, Knoxville;

Methodology to Assess and Manage Material and Machine Tool Risks ID: 837 Ashutosh Hengle, University of Tennessee; Rupy Sawhney, ; Xueping Li, The University of Tennessee;