

SMMSO 2013 Conference Schedule

Saturday, 25. May 2013

16:00-17:30		Registration
17:45-18:00		Opening of the Conference
18:00-18:45	Tullio Tolio (invited speaker)	Interactions among Production Logistics, Quality and Maintenance in Manufacturing Systems

Sunday, 26. May 2013

8:30-10:00	Chanaka Senanayake and Velusamy Subramaniam	Approximate methods to evaluate the performance of multiple part-type production lines
	Elisa Gebennini, Andrea Grassi, and Cesare Fantuzzi	Analytical modeling of series-parallel flow lines
	Tullio Tolio and Andrea Ratti	Performance evaluation of two-machine line with generalized thresholds

10:00-10:30 Coffee break

10:30-12:00	Steven Peters and Gisela Lanza	Markovian Decision Processes and Queueing Theory for Investment Planning of Production Systems
	J. Adam Traina and Stanley B. Gershwin	Flow Line Design: Optimal Simultaneous Machine Selection and Buffer Sizing
	Chuan Shi and Stanley B. Gershwin	Qualitative Behavior of Average Buffer Levels

12:00-14:00 Lunch

14:00-15:30	Svenja Lagershausen	Modeling the inter-departure-time distribution by Markov-chains
	Kan Wu and Ning Zhao	Analysis for Tandem Queues with Finite Buffer Capacity and Nonoverlapping Service Times subject to Time-Based Preemptive Interruptions
	Eda Özden, Martin Epp, Judith Stoll, and Kai Furmans	Strategies for Reducing the Computational Effort of Discrete Time Queueing Models

15:30-16:00

Coffee break

16:00-17:30

Sencer Yeralan
Stéphane Youssef and Roland Malhamé
Manitz, Michael

A Roadmap Toward the Commercialization of Software Products
Optimization of Kanban based production Policies in Multi Part Transfer Lines
Analysis of Assembly/Disassembly Queueing Networks with Blocking After Service and General Service Times

Monday, 27. May 2013

8:30-10:00

Filiz Sayin, Fikri Karaesmen, and Suleyman Ozekici
Stefan Helber, Florian Sahling, and Katja Schimmelpfeng
Karl Inderfurth, Ian M. Langella, Sandra Transchel, and Stephanie Vogelgesang

Managing risks in an inventory model with random demand and supply
Robust capacitated dynamic lot sizing subject to yield uncertainty
A Heuristic Approach for the Disassemble-to-order Problem under Binomial Yields

10:00-10:30

Coffee break

10:30-12:00

Jim MacGregor Smith
Sanket Bhat and Ananth Krishnamurthy
Judith Stoll and Maria Di Mascolo

Multi-server, Multi-chain, Finite Buffer, Material Handling Closed Queueing Network Models
Value of Capacity Flexibility in Multi-Class Systems with Seasonal Demands
Queueing analysis of the production of sterile medical devices by means of discrete-time queueing models

12:00-14:00

Lunch

14:00-15:00

H.P.G. van Ooijen and J.W.M. Bertrand
G. Dagkakis, C. Heavey, and C. T. Papadopoulos

Production-Inventory Control Policies for MTS Production Systems with Lead-Time sensitive Demand and Reconfiguration Possibilities
A Review of Open Source Discrete Event Simulation Software

Tuesday, 28. May 2013

8:30-10:00

Justus Arne Schwarz and Raik Stolletz
Sophie Weiss and Raik Stolletz

A sampling approach for the analysis of time-dependent stochastic flow lines
A Benders Decomposition approach for the optimization of flow lines with stochastic processing times

Feng Ju, Jingshan Li, and Guoxian Xiao

Quality Bottlenecks in Battery Manufacturing Systems for Electric Vehicles

10:00-10:30

Coffee break

10:30-12:00

P. Fernandes, M.E.J. O'Kelly, C.T. Papadopoulos, and A. Sales

Analysis of exponential unreliable production lines using Kronecker descriptors

Arianna Alfieri, Andrea Matta, and Giulia Pedrielli

Integrating Simulation Modeling and Optimization: An Event Based Approach

Marcello Colledani and Dariush Ebrahimi

Performance Evaluation of Selective and Adaptive Assembly Systems

12:00-13:00

Lunch

Wednesday, 29. May 2013

8:30-10:00

Stratos Ioannidis, Oualid Jouini, and Yves Dallery

Production and Sales Control in Systems with Flexible Capacity and Perishable Items

Alexander Hübner and Heiner Kuhn

Retail Assortment and Inventory Planning

Nico Vandaele, Catherine Decouttere, and Gerd Hahn

The Merit of Combining Stochastic and Deterministic Models For Planning Decision Support Systems

10:00-10:30

Coffee break

10:30-12:00

Miray Öner Közen, Refik Güllü, Aybek Korugan and Ali Tamer Ünal

The Value of Time spent for Sequencing of Jobs in random sized Batches

Kai Furmans

Adaption of a Robust Kanban System

George Liberopoulos

Production Release Control: Paced, WIP-Based or Demand-Driven? Revisiting the Push/Pull and Make-to-Order/Make-to-Stock Distinctions

12:00-14:00

Lunch

14:00-15:00

Oladipupo Olaitan, Anna Rotondo, Paul Young and John Geraghty

Performance Evaluation of Production Control Strategies in a Serial Manufacturing System with two Products having Disparate Demand Profiles, with Consideration for Robustness

Chukwunonyelum E. Onyeocha, Joseph Khoury, and Geraghty, John

Evaluation of the Effect of Erratic Demand on a Multi-Product Basestock Kanban-CONWIP (BK-CONWIP) Control Strategy

15:00-15:30

Coffee break

15:30-18:00

Final Discussion and Closing of the Conference