

# Awards

**Bucharest**  
**ROMANIA** **incom'12**



**14th IFAC Symposium**  
**Information Control Problems in Manufacturing**

**23/24/25 May, 2012**

## Winners of The Track Paper Prize

### **Track A:** New Developments in Scheduling and Manufacturing

**Paper:** Minimizing the Weighted Number of Late Semi-Resumable Jobs with Deterministic Machine Availability Constraints

**Author:** Boris Detienne (FR)

### **Track B:** Discrete Event Systems and Hybrid Systems: Modelling and Supervisory Control

**Paper:** A Simple Petri Net controller in Discrete Event systems

**Authors:** Meysam Zareiee (IR), Abbas Dideban (IR), Ali Asghar Orouji (IR), Hassane Alla (FR)

### **Track C:** Intelligent Transportation and Logistics Systems: Modelling, Simulation, Control and Communication

**Paper:** The Impact of Standardized Metric Physical Internet Containers on the Shipping Volume of Manufacturers

**Authors:** Russell Meller (US), Yen-Hung Lin (US), Kimberly Ellis (US)

### **Track D:** Design of Reconfigurable Manufacturing Systems

**Paper:** Part Waiting Time Distribution in a Two-Machine Line

**Authors:** Chuan Shi (US), Stanley Gershwin (US)

## Winners of The Track Paper Prize

### **Track E: Supply Network Engineering**

**Paper: A Distributed Consensus Algorithm for Task Allocation in Supply Chain Management**

**Authors: Maria Pia Fanti (IT), Agostino Marcello Mangini (IT), Walter Ukovich (IT)**

### **Track F: Holonic and Multi-Agent Technologies for Industrial Systems**

**Paper: Service-oriented Process Control with Grafchart and the Devices Profile for Web Services**

**Authors: Alfred Theorin (SE), Lisa Ollinger (DE), Charlotta Johnsson (SE)**

### **Track G: Robotics for Manufacturing and Services**

**Paper: An Integrated Model of Speech to Arm Gestures Mapping in Human-Robot Interaction**

**Authors: Amir Aly (FR), Adriana Țăpuș (FR)**

### **Track H: Intelligent Integrated Maintenance and Quality Strategies**

**Paper: Statistical Evaluation of Hidden Markov Models Topologies, based on Industrial Synthetic Model**

**Authors: Bernard Roblès (FR), Manuel Avila-Gomez (FR), Florent Duculty (FR), Pascal Vrignat (FR), Frederic Kratz (FR)**

## Winners of The Track Paper Prize

### **Track I:** Manufacturing Engineering and Product Lifecycle Management

Paper: A Model-Based Approach for Planning Work Breakdown Structures of Complex Systems Projects

Authors: Amira Sharon (IL), Dov Dori (IL)

### **Track J:** Models for Competence and Knowledge Management in Industrial Enterprises

Paper: Technical and Collaboration Breakdown Structures: Drivers of Collaborative Problem Solving Approaches in a Supply Chain Context

Authors: Juan Camilo ROMERO BEJARANO (FR), Thierry Coudert (FR), Laurent GENESTE (FR), Aymeric De Valroger (FR)

### **Track K:** Enterprise Integration, Interoperability and Networking Solutions

Paper: Knowledge-Based System for Manufacturing Sustainability

Authors: Antonio Giovannini (FR), Alexis Aubry (FR), Hervé Panetto (FR), Michele Dassisti (IT), Hind EL HAOUZI (FR)

### **Track M:** Metaheuristics and Soft Computing in Production Management

Paper: Using Dynamic Priority Rules for Optimization of Complex Manufacturing Systems

Authors: Tomasz Wisniewski (PL), Przemysław Korytkowski (PL), Oleg Zaikin (PL), Eduard Pesikov (RU)

## Winners of The Track Paper Prize

### **Track N: Production Planning and Inventory Control**

**Paper: A Constant Approximation for the One-Warehouse Multi-retailers Problem with Backorders**

**Authors: Guillaume Massonnet (FR), Jean-Philippe Gayon (FR), Christophe Rapine (FR), Gautier Stauffer (FR)**

### **Track O&Q: Service Supply Systems and Networks Management and Design**

**Paper: A Service Science Knowledge Environment in the Cloud**

**Author: Monica Drăgoicea (RO)**

### **Track P: Model Based System Engineering: Works in Progress, New Trends, Usages and Opportunities**

**Paper: Function Block Diagram to UPPAAL Timed Automata Transformation Based on Formal Models**

**Authors: Doaa Soliman (DE), Kleanthis Thramboulidis (GR), Georg Frey (DE)**

### **Track R: Design of Advanced Production Systems**

**Paper: Confidence of Reported Information for Real Time in Diagnosis of Complex Discrete Events Systems: A Semiconductor Application**

**Authors: Quoc Bao Duong (FR), Eric Zamaï (FR), Khoi-Quoc Tran-Dinh (VN)**

## **Winners of The Industrial Paper Prize**

**Paper: Distributed Automatic Control System Supported by RFID Applied to a Logistic Center Test Bench**

**Authors: Javier De las Morenas (ES), Andres Garcia (ES), Pablo García Ansola (ES)**

**Paper: Engine Head Blocks Handling Robot Guided by Vision System**

**Authors: Ramon C. Semim (BR), Roberto Ubertino Rosso (BR), Alexandre G. Silva (BR), Anderson Resendes da Silva (BR), Camila Tormena (BR)**

**Paper: High-Mix Low-Volume Flow Shop Manufacturing System Scheduling**

**Authors: Juraj Svancara (SK), Zdenka Kralova (SK)**