APMS 2010 International Conference Programme

APMS Doctoral Workshop and APMS 2010 at a glance

Saturday	**2:00 pm**	**APMS DW1.1: Doctoral Workshop** Location: **Sala Carlotta**			**APMS DW1.2: Doctoral Workshop** Location: **Sala Balbianello**		
	7:00 pm	**Cocktail**					
Sunday	**9:00 am**	**APMS DW2.1: Doctoral Workshop** Location: **Sala Carlotta**			**APMS DW2.2: Doctoral Workshop** Location: **Sala Balbianello**		
	2:00 pm	**Meeting Associates WG 5.7** Location: **Sala Balbianello**			**Meeting IFIP WG 5.7 and PPC Editorial Board** Location: **Sala Monastero** By invitation only		
	7:00 pm	**Welcome Cocktail**					
Monday	**8:15am**	**Open Registration Desk**					
	9:00am	**Plenary 1** Location: **Plenary - Spazio Como** Welcome and Introduction Industrial and Academics Keynotes					
	10:45am	**Coffee Break** Location: **Restaurant**					
	11:15am	**Plenary 2** Location: **Plenary - Spazio Como**					
	12:30pm	**Lunch** Location: **Restaurant**					
	2:00 pm	**SS1.1: Collaborative Innovation - I** Location: **Room A**	**SS3.1: Sustainable Initiatives in Developing Countries - I** Location: **Room B**	**NS2.1: Sustainable Manufacturing and Operations - I** Location: **Room C**	**SS2.1: Transformations to Servitized Organizational Forms - I** Location: **Room D**	**NS4.1: Sustainable Product - I** Location: **Room E**	**NS7.1: Production Planning & Control - I** Location: **Room F**	**NS8.1: Lean Thinking and Production - I** Location: **Plenary - Spazio Como**
	3:30pm	**Coffee Break** Location: **Restaurant**						
	4:00 pm	**SS1.2: Collaborative Innovation - II** Location: **Room A**	**SS3.2: Sustainable Initiatives in Developing Countries - II** Location: **Room B**	**NS2.2: Sustainable Manufacturing and Operations - II** Location: **Room C**	**SS2.2: Transformations to Servitized Organizational Forms - II** Location: **Room D**	**NS4.2: Sustainable Product - II** Location: **Room E**	**NS7.2: Production Planning & Control - II** Location: **Room F**	**NS8.2: Lean Thinking and Production - II** Location: **Plenary - Spazio Como**
	7:00pm	**Concert & Cocktail**						

Tuesday	**8:15am**	**Open Registration Desk**						
	9:00 am	**SS11.1: Managing Operations Globally - I** Location: **Room A**	**SS3.3: Sustainable Initiatives in Developing Countries - III** Location: **Room B**	**NS2.3: Sustainable Manufacturing and Operations - III** Location: **Room C**	**SS10.1: Supply Risk Management - I** Location: **Room D**	**NS4.3: Sustainable Product - III** Location: **Room E**	**SS4.1: Product Service System Engineering - I** Location: **Room F**	**NS10.1: Technologies - I** Location: **Room G**
	10:30am	**Coffee Break** Location: **Restaurant**						
	11:00 am	**SS11.2: Managing Operations Globally - II** Location: **Room A**	**SS3.4: Sustainable Initiatives in Developing Countries - IV** Location: **Room B**	**NS2.4: Sustainable Manufacturing and Operations - IV** Location: **Room C**	**SS10.2: Supply Risk Management - II** Location: **Room D**	**NS7.3: Production Planning & Control - III** Location: **Room E**	**SS4.2: Product Service System Engineering - II** Location: **Room F**	**NS10.2: Technologies - II** Location: **Room G**
	12:30pm	**Lunch** Location: **Restaurant**						
	2:00 pm	**SS8.1: New Product Introduction and Innovation in the 21st Century - I** Location: **Room A**	**SS3.5: Sustainable Initiatives in Developing Countries - V** Location: **Room B**	**NS3.1: Sustainable Supply Chain Management - I** Location: **Room C**	**SS5.1: Product-Related Service Delivery Networks Design, Management and Optimization** Location: **Room D**	**NS7.4: Production Planning & Control - IV** Location: **Room E**	**NS6.1: Performance Management and Sustainability - I** Location: **Room F**	
	3:30pm	**Coffee Break** Location: **Restaurant**						
	4:00 pm	**SS8.2: New Product Introduction and Innovation in the 21st Century - II** Location: **Room A**	**NS1.1: Strategy for Sustainability - I** Location: **Room B**	**NS3.2: Sustainable Supply Chain Management - II** Location: **Room C**	**SS6.1: Risk Management as a Powerful Means for Sustainability** Location: **Room D**	**NS7.5: Production Planning & Control - V** Location: **Room E**	**NS6.2: Performance Management and Sustainability - II** Location: **Room F**	
	6:45 pm	**Gala Dinner**						
Wednesday	**9:00 am**	**SS8.3: New Product Introduction and Innovation in the 21st Century - III** Location: **Room A**	**SS12.1: Fostering Energy Efficiency in Manufacturing - I** Location: **Room B**	**NS3.3: Sustainable Supply Chain Management - III** Location: **Room C**	**SS9.1: Intelligent Non-Hierarchical Manufacturing Networks - I** Location: **Room D**	**NS7.6: Production Planning & Control - VI** Location: **Room E**	**NS9.1: Maintenance Management - I** Location: **Room F**	**NS1.2: Strategy for Sustainability - II** Location: **Plenary - Spazio Como**
	10:30am	**Coffee Break** Location: **Restaurant**						
	11:00 am	**SS8.4: New Product Introduction and Innovation in the 21st Century - IV** Location: **Room A**	**SS12.2: Fostering Energy Efficiency in Manufacturing - II** Location: **Room B**	**NS5.1: Sustainable Healthcare Services** Location: **Room C**	**SS9.2: Intelligent Non-Hierarchical Manufacturing Networks - II** Location: **Room D**	**NS7.7: Production Planning & Control - VII** Location: **Room E**	**NS9.2: Maintenance Management - II** Location: **Room F**	**NS1.3: Strategy for Sustainability - III** Location: **Plenary - Spazio Como**
	12:30 pm	**Plenary 3** Location: **Plenary - Spazio Como** Conclusion of the Conference and announcement of APMS 2011						
	1:00 pm	**Lunch**						

Conference detailed programme

Monday, 11 October 2010	
8:15 am	**Open Registration Desk**
9:00 am	**Plenary 1** - Location: **Plenary - Spazio Como** Welcome and Introduction Industrial and Academics Keynotes Chair: M. Garetti
	Welcome & Conference Outlook ***Marco Garetti,*** *Politecnico di Milano, Italy* ***Paolo De Santis*** *Como Chamber of Commerce, Italy* ***Marco Taisch*** *Politecnico di Milano, Italy* ***Sergio Terzi*** *University of Bergamo, Italy*
	Environmental, economical and social Sustainability: Comau's business evolution in Production Systems and Services ***Massimo Mattucci*** *COO Comau, Italy*
	European PPP research on Factories of the Future to supports economic recovery – Research Perspective of Information & Communication technologies supported by the European Commission through the work programme WP2011-12 ***Rolf Riemenschneider*** *European Commission*
10:45 am	**Coffee Break -** Location: **Restaurant**
11:15 am	**Plenary 2** - Location: **Plenary - Spazio Como** Industrial and Academics Keynotes Chair: M. Taisch
	Global Production Networks and the Great Recession 2007-2010: Analysis and trends ***Fabio Sdogati*** *Politecnico di Milano, Italy*
	The Sony's way to Sustainability: Product, Process, Planet - the impact on Manufacturing, Operations, Products and waste ***Salvatore Paparelli*** *AV Sales & Operations Director, Sony Italy*
12:30 pm	**Lunch -** Location: **Restaurant**

Monday, 11 October 2010

2:00 pm	**SS1.1: Collaborative Innovation - I** Location: **Room A** Chair: K. Mendibil	**SS3.1: Sustainable Initiatives in Developing Countries - I** Location: **Room B** Chair: A. de Lima Reda	**NS2.1: Sustainable Manufacturing and Operations - I** Location: **Room C** Chair: J. Carrillo	**SS2.1: Transformations to Servitized Organizational Forms - I** Location: **Room D** Chair: P. Gaiardelli	**NS4.1: Sustainable Product - I** Location: **Room E** Chair: K.D. Thoben	**NS7.1: Production Planning & Control - I** Location: **Room F** Chair: I. Tanabe	**NS8.1: Lean Thinking and Production - I** Location: **Plenary - Spazio Como** Chair: T. Kurfess
	An exploratory study of UK-China collaborative innovation practices ***Kepa Mendibil, Dan Wang, Umit Bititci, Libin Lu*** *University of Strathclyde, United Kingdom*	***A New Responsibility for the Brazilian Water Industry in the Era of Privatization: Dynamic Plant Management for the Treatment of Storm and Waste Combined Urban Waters*** ***André Luiz de Lima Reda[1,2], Marcel Mendes[1], Paulo Ferreira[1]*** *1: Mackenzie Presbyterian University, Brazil; 2: Mauá Institute of Technology, Brazil*	***Environmental Sustainability Assessment: An Evaluation of Established Methods and Analysis of their Suitable Applications in Industrial Practice*** ***Alexander Sebastian Benjamin Sproedt, Johannes Plehn, Matthias Vodicka, Henning Deitmer*** *ETH Zurich, Switzerland*	***Sustainable Product Service System: a conceptual framework*** ***Barbara Resta, Paolo Gaiardelli*** *University of Bergamo, Italy*	***Roadmapping for the Virtual Production*** ***Günther Schuh, Simon Orilski, Johannes Schubert*** *Fraunhofer Institute for Production Technology, Germany*	***A Study on Integration of Interdivisional and Divisional Manufacturing Scheduling Systems*** ***Yoshihiro Yao[1], Toshiya Kaihara[1], Nobutada Fujii[1], Susumu Fujii[2]*** *1: Kobe University, Japan; 2: Sophia University, Japan*	***Impact of Lean Production Systems Implementation on Labor Conditions*** ***Tim Mielke, Uwe Dombrowski, Sven Schulze*** *Technical University of Braunschweig, Germany*
	Innovation: A Knowledge Transfer Perspective ***Allen Thomas Alexander, Stephen J Childe*** *University of Exeter, United Kingdom*	***Searching for Energetic Sustainability in Distant Areas through a Solar Powered Battery Charger with Self-Oriented Panel*** ***Alvaro Andre Colombero Prado, Marcelo Nogueira, Fábio Vieira do Amaral, Jair Minoro Abe, Oduvaldo Vendrametto*** *UNIP - Paulista, University, Brazil*	***Evaluation of the energy consumption in machine tools: an analytic approach*** ***Paolo Albertelli[1,3], Giacomo Bianchi[2], Alice Bigliani[1,3], Stefano Borgia[1,3], Andrea Matta[1]*** *1: Politecnico di Milano, Italy; 2: ITIA - CNR, Italy; 3: MUSP Laboratory, Italy*	***Conceptual Transformation Framework for Servitization*** ***Doroteya Vladimirova, Stephen Evans, Veronica Martinez*** *Cranfield University, United Kingdom*	***Development of innovative roadmaps for a sustainable product development in the furniture sector*** ***P. Cordero, R. Poler, E. Pacenti, C. Tubito, S-Agresta, I. Brenna, R. Pellizoni, R. Di Gilio, S. Peverelli, G. Martinelli, M.J. Núñez, P- Boquera, M. Vavallo, C. Biel, P. Bernardo, P-Alves, R. Beja, G. Vargas, R. Sanchis***	***Controlling shifting bottlenecks in manufacturing*** ***Guenther Schuh, Sascha Fuchs, Bastian Franzkoch, Till Potente, Achim Kampker*** *Aachen University, Germany*	***Performance evaluation for lean supply chain: a balanced scorecard framework*** ***Susana Duarte, V. Cruz Machado*** *UNIDEMI - FCT New University of Lisbon, Portugal*
	Enhancing Innovation Culture for Collaborative Innovation ***Kjersti Øverbø Schulte[1], Morten Hatling[2]*** *1: NTNU, Norwegian University of Science and Technology, Norway; 2: SINTEF, Norway*	***Agriculture in Brazil: the challenge of soybean production and Cerrado' deforestation*** ***Lilian Patricia Vendrametto, Silvia Helena Bonilla*** *UNIP - Paulista, University, Brazil*	***Eco-efficient and highly productive machine tools by means of an holistic eco-design approach*** ***Juan Jose Zulaika[1], Anton Dietmair[2], Wilco Verbeeten[3], Francisco Javier Campa[4], Luis Norberto Lopez de Lacalle[4]***	***Challenges for Integrating Suppliers into Product-Service Systems Design*** ***Mehmet Cakkol, Mark Johnson, Veronica Martinez, Essam Shehab*** *Cranfield University, United Kingdom*	***Life Cycle Assessment of a photovoltaic-thermal micro-cogeneration system*** ***Cristina Mora, Riccardo Accorsi, Marco Bortolini, Mauro Gamberi, Riccardo Manzini, Emilio Ferrari*** *University of Bologna, Italy*	***A hybrid approach to cognitive production systems*** ***Daniel Ewert[1], Marcel Mayer[2], Sinem Kuz[2], Daniel Schilberg[1], Sabina Jeschke[1]*** *1: WZL-IMA RWTH - Aachen University, Germany; 2: IAW RWTH - Aachen University, Germany*	***A Concept for Lean Manufacturing Enterprises*** ***Masaru Nakano*** *Keio University, Japan*
	An Entrepreneurial Path to Market: A Systemic Modelling of Entrepreneurial Contracting ***Kostas Galanakis, Michael Ehret*** *Nottingham Trent University, United Kingdom*	***Development and implementation of a Computerized Yarn Production Management Tool*** ***Eirik Borgen, Erik Gran*** *SINTEF, Norway*	***Overview of the Literature on Environmental Implications for E-Commerce*** ***Janice Carrillo, Asoo Vakharia, Ruoxuan Wang*** *University of Florida, United States of America*	***Exploring the linkage between servitization and financial performances: evidences from the HVAC industry*** ***Filippo Visintin, Mario Rapaccini*** *University of Florence, Italy*	***Sustainability as Requirement in System Engineering Approach*** ***Mourad Messaadia, Flore Vallet, Benoit Eynard*** *UTC - Technical University of Compiègne, France*	***STEP-NC Compliant Approach For Setup Planning Problem on Multiple Fixture Pallets*** ***Stefano Borgia[1], Andrea Matta[1], Tullio Tolio[2]*** *1: Politecnico di Milano, Italy; 2: ITIA - CNR, Italy*	***Critical analysis of a flow optimisation methodology by Value Stream Mapping*** ***Barbara Lyonnet, Magali Pralus, Maurice Pillet*** *University of Savoy, France*
3:30 pm	**Coffee Break** - Location: **Restaurant**						

Monday, 11 October 2010

4:00 pm	**SS1.2: Collaborative Innovation - II** Location: **Room A** Chair: U. Bititci	**SS3.2: Sustainable Initiatives in Developing Countries - II** Location: **Room B** Chair: M.A. silveira	**NS2.2: Sustainable Manufacturing and Operations - II** Location: **Room C** Chair: J.J. Zulaika	**SS2.2: Transformations to Servitized Organizational Forms - II** Location: **Room D** Chair: W. Ganz	**NS4.2: Sustainable Product - II** Location: **Room E** Chair: D. Brissaud	**NS7.2: Production Planning & Control - II** Location: **Room F** Chair: T. Alix	**NS8.2: Lean Thinking and Production - II** Location: **Plenary - Spazio Como** Chair: J. Heilala
	Cross-Company Logistic Models for Regional Pooling of Transports - a Simulation Approach ***Daniel Palm[1], Margarethe Prochazka[1,2], Felix Meizer[1], René Leitner[1], Wilfried Sihn[1,2]*** *1: Fraunhofer Research Center, Austria; 2: Vienna University of Technology, Austria*	***The drywall non-sustainable disposal and disability qualification of human resources for technological innovation*** ***Wagner Costa Botelho, Oduvaldo Vendrametto, Mario Mollo Neto*** *UNIP - Paulista, University of Ensino, Brasil*	***Process Flow Modelling for More Environmentally Sustainable Manufacturing Operations*** ***Mélanie Despeisse, Peter D. Ball, Steve Evans, Andy Levers*** *Cranfield University, United Kingdom*	***The outsourcing of industrial maintenance capabilities: espoused intentions and expereinced reality*** ***Jawwad Raja, Veronica Martinez*** *Cranfield University, United Kingdom*	***Increasing Efficiency of Concurrent Engineering by multivariate Usage of KBL*** ***Josip Stjepandic[1], Jochen Hechler[1], Volker Nast[2]*** *1: PROSTEP AG, Germany; 2: Daimler AG, Germany*	***Capacity-filtering Simulator: Finite-Capacity Planning System for the Fabrication Factory*** ***Ho Yeoul Lee[1], Young Geun Chun[1], Byoung Kyu Choi[1], Jung Chul Suh[2]*** *1: KAIST - Korea Advanced Institute of Science and Technology, South Korea (Republic of); 2: Samsung Electronics, South Korea (Republic of)*	***Assessing the applicability of a Lean model for the supply chain management of service companies*** ***Marco Tantardini[1], Alberto Portioli Staudacher[1], Sarah Lethbridge[2]*** *1: Politecnico di Milano, Italy; 2: Cardiff Business School, United Kingdom*
	Leveraging innovation through purchasing involvement and proficiency ***Lars J Bengtsson, Nicolette Lakemond, Mandar Dabhilkar*** *University of Gävle, Sweden*	***Corporate social responsibility in Brazil as an element to sustainability*** ***Pedro Luiz de Oliveira Costa Neto[1], Aline Rodrigues Sacomano[2]*** *1,2: UNIP - Paulista, University, Brazil*	***Improved sustainability of high precision optics production*** ***Sebastian Nollau, Günther Schuh, Markus Wellensiek*** *IPT - Fraunhofer Institute for Production Technology, Germany*	***Linkages between servitization strategies and sourcing decisions: a preliminary study*** ***Mario Rapaccini[1], Filippo Visintin[1], Nicola Saccani[2]*** *1: University of Florence, Italy; 2: University of Brescia, Italy*	***Sustainability Information in Product Development – the Case of Automotive Supplier Industry*** ***Silje Helene Aschehoug[1], Casper Boks[2]*** *1,2: NTNU - Norwegian University of Science and Technology, Norway*	***Evaluation of Organic Matter Influenced by Complex Noise Factors using Inverse Analysis of Taguchi Methods*** ***Ikuo Tanabe*** *Nagaoka University of Technology, Japan*	***Modelling and Simulation for Lean and Sustainable Manufacturing System Development*** ***Juhani Heilala, Marja Paju, Jari Montonen, Markku Hentula, Antti Heikkilä*** *VTT Technical Research Center, Finland*
	Business Model Innovations: The Case of Intelligent Goods ***Ottar Bakås, Annette Hoff*** *SINTEF, Norway*	***Virtualization: The advantages of this new paradigm in the IT landscape and the positive environmental impact of this technology*** ***Andrea Martins Criatovao, Ivanir Costa*** *UNIP - Paulista, University, Brazil*	***Simulation Model Driven Manufacturing To Support Engineering Process and Operate Manufacturing Cell.*** ***Hironori Hibino*** *JSPMI - Japan Society for the Promotion of Machine Industry, Japan*	***A theoretical framework for pricing product-service systems*** ***Mario Rapaccini, Filippo Visintin*** *University of Florence, Italy*	***Parametric Design Rules Approach to Implementing Modular Construction in Large Land Based Structures*** ***Richard Lee Storch[1], Sashihadran Komendur[1], Kenneth Walsh[2], Nelson Moreno[2], Howard Bashford[3]*** *1: University of Washington, United States of America; 2: San Diego State University; 3: Arizona State University*	***Design and implementation of a hybrid knowledge-based process designer model for a robust multi-objective parameter optimisation*** ***Tatjana Sibalija, Vidosav Majstorovic*** *University of Belgrade, Serbia (Republic of)*	***Application and validity of Lean production in non-serial machine tool manufacturing - pilot case at a Spanish grinder manufacturer*** ***Itziar Ricondo, Ibon Serrano, Arkaitz Uriarte*** *Ideko-IK4 R&D Center, Spain*
	Investigating the Relationship between Organizational Context and Knowledge Creation: the Knowledge Creation Ambidexterity ***Malek Maalouf*** *Copenhagen Business School, Denmark*	***The application of 100% ecological gas on the Brazilian home appliances*** ***Alexandre Arnaldo Boschi, Mario Mollo Neto, José Paulo Alves Fusco*** *UNIP - Paulista, University, Brazil*	***Tolerance Analysis of Mechanical Assembly Sets Using Monte Carlo Model*** ***Helena V. Guitiss Navas*** *FCT - New University of Lisbon, Portugal*	***A decision-making model to drive the servitization process in the capital goods sector*** ***Sylvie Roscio, Donatella Corti, Alberto Portioli Staudacher*** *Politecnico di Milano, Italy*	***From 2-D engineering drawings to 3-D CAD models: issues and challenges of solid model dimensioning, tolerancing and annotation*** ***George Kaisarlis, Stefanos Diplaris, Michael Sfantsikopoulos*** *National Technical University of Athens, Greece*	***A semi-automated approach to support process planner during sequencing of pallet operations on 4-axes machine tools*** ***Stefania Pellegrinelli[1], Tullio Tolio[2]*** *1: ITIA - CNR, Italy; 2: Politecnico di Milano, Italy*	***Retrofitting Lean Manufacturing to Current Semi-Automated Production Lines*** ***Melissa Bowler, Thomas Kurfess*** *Clemson University, United States of America*
7:00 pm	**Concert & Cocktail** "Piccolo Concerto" - Classic music duo (harp & flute)						

Tuesday, 12 October 2010

8:15 am	**Open Registration Desk**						
9:00 am	**SS11.1: Managing Operations Globally - I** Location: **Room A** Chair: D. Corti	**SS3.3: Sustainable Initiatives in Developing Countries - III** Location: **Room B** Chair: C. Villas Boas Almeida	**NS2.3: Sustainable Manufacturing and Operations - III** Location: **Room C** Chair: H.V Guitiss Navas	**SS10.1: Supply Risk Management - I** Location: **Room D** Chair: R. Pinto	**NS4.3: Sustainable Product - III** Location: **Room E** Chair: M. Messaadia	**SS4.1: Product Service System Engineering - I** Location: **Room F** Chair: G. Pezzotta	**NS10.1: Technologies - I** Location: **Room G** Chair: J. Cassina
	Framework for assessing the current strategic plant role and deploying a roadmap for its upgrading. An empirical study within a global operations network ***Miguel Mediavilla[1], Ander Errasti[2]*** *1: UNED University, Spain; 2: Technical University of Navarra, Spain*	***Automating the flow of mineral oil insulating fluid within the treatment plant from the analysis of physical-chemical conditions of the oil*** ***I.C Pires, M. Nogueira, F. Vieira do Amaral, J.M Abe, O. Vendrametto*** *UNIP - Paulista, University, Brazil*	***Analysis and Modeling of Tacit Strategy for Teaching a Skilled Motion Taking Lacrosse Swing as an Example*** ***Hajime Mizuyama[1], Kayo Yamada[1], Kazuto Tanaka[2]*** *1: Kyoto University, Japan; 2: Doshisha University, Japan*	***An Investigation of the Relationships Between Supply Risk Awareness, Assessment, Management, and Supply Disruption Occurrence*** ***F. Pirola[1], G. Zsidisin[2], S. Wagner[3]*** *1: University of Bergamo, Italy; 2: Bowling Green State University; 3: ETH Zurich, Switzerland*	***Set Based Engineering and Eco-efficient design selection at conceptual phase of product design and development process*** ***Endris Temam Kerga[1], Sergio Terzi[2], Marco Taisch[1]*** *1: Politecnico di Milano, Italy; 2: University of Bergamo, Italy*	***A methodology to support the development of integrated product-service solutions.*** ***Filippo Visintin*** *University of Florence, Italy*	***RFID System Project for Enhancing Blood Supply Chain Safety and Blood Transfusion Center Productivity*** ***Pier Francesco Orrù[1], Gianluca Borelli[2], Maria Teresa Pilloni[1], Francesco Zedda[1]*** *1: University of Cagliari, Italy; 2: AOB - G.Brotzu Hospital Company, Italy*
	The sustainable utilization of human resources in global product development ***Zaza Nadja Lee Hansen, Lauge Baungaard Rasmussen, Mette Sanne Hansen, Peter Jacobsen, Saeema Ahmed-Kristensen*** *Technical University of Denmark, Denmark*	***Commitment of world-class companies with the GRI model for environmental sustainability*** ***Nicola Acquaviva Neto, Pedro Luiz de Oliveira Costa Neto*** *UNIP - Paulista, University, Brazil*	***Short-time forecasting of renewable production energy in solar photovoltaic installations*** ***Beatrice Lazzerini, Marco Cococcioni, Eleonora D'Andrea, Sara Lioba Volpi*** *University of Pisa, Italy*	***Risk Management in Supply Chains: A Solution or Part of the Problem?*** ***Helen Peck*** *Cranfield University, United Kingdom*	***A framework for the design of sustainable product-service systems*** ***Daniel Brissaud, Alan Lelah*** *University of Grenoble, France*	***A Methodology for Generating Simulation Scenarios through Design of Experiments to Improve Emergency Department Processes*** ***Maya Kaner, Tamar Gadrich, Shuki Dror*** *ORT Braude College, Israel*	***Demand-driven Supply Chains with RFID and EPCIS - does IT matter?*** ***Heidi Carin Dreyer[1], Anita Romsdal[1], Jan Ola Strandhagen[2], Ragnhild Bjartnes[2]*** *1: NTNU - Norwegian University of Science and Technology, Norway; 2: SINTEF, Norway*
	ICTs Contribution to Global Logistics Sustainability ***Ruth Carrasco-Gallego, Ana Moreno-Romero*** *Polytechnic University of Madrid, Spain*	***Selection of indicators of sustainable development for supply chain using the multi criteria analysis*** ***Irenilza de Alencar Nääs, José Alberto Yemal*** *UNIP - Paulista, University, Brazil*	***Towards the Factory of the Future in High-Tech Industries*** ***Torbjørn H. Netland, Jan Ola Strandhagen, Marte P. Buvik, Lars Skjelstad, Johan E. Ravn, Gaute Knutstad, Tore Nilssen*** *SINTEF/ NTNU, Norway*	***Assessing Supply Chain Risk Adopting Reliability Tools*** ***S. Nurmaya Musa[1,3], Paola Cocca[2], Ou Tang[1]*** *1: Linköping University, Sweden; 2: University of Brescia, Italy; 3: University of Malaya, Malaysia*	***The role of human aspects in design for sustainability strategies and approaches*** ***Elli Verhulst[1,2], Casper Boks[2]*** *1: Artesis University College of Antwerp, Belgium; 2: NTNU - Norwegian University of Science and Technology, Norway*	***ISIR: Informed Sensitised Intelligent Response - A Framework for PSS Characteristics*** ***Romana Salmah Hussain, Lockett, Helen; Kingston, Jenny; Alcock, Jeff; Vasantha, Gokula*** *Cranfield University, United Kingdom*	***A Product Traceability and Authentication Framework for Verifying Genuine Products in the Product Lifecycle*** ***Michael Abramovici, Matthias Flohr, Andreas Krebs*** *ITM - Ruhr University of Bochum, Germany*
	Model/Framework for Continuous Improvement Programme development to gain sustainable performance improvement in manufacturing facilities: an empirical study ***J.A Eguren, A. Goti, L. Pozueta, C. Jaca***	***Supply and Reverse Supply Chains in the Brazilian Electro-Medical Equipment Industry: A Multiple Case Study for Compliance with WEEE and RoHS Directives*** ***M.A Silveira, R. Gardesani, A.K da Silva Bueno[1]***	***The Impact of Facilitation on the Quality of Communication in Virtual Collaborative Teamwork*** ***Timo Haukola*** ***Päivi Pöyry-Lassila*** ***Anna Salmi*** *Aalto University, Finland*		***Concurrent Assessment of Value Proposition in early Innovation Phases*** ***Ingo Westphal, Marcus Seifert, Klaus-Dieter Thoben*** *BIBA - Bremen Institute for Production and Logistics, Germany*	***Product-Service Systems Development based on Project Management: The Definition Sequence Thecle Alix, Bruno Vallespir*** *IMS - University of Bordeaux, France*	***Smart Flow of Goods: Experiences from RFID Pilots in Fresh Food Supply Chains*** ***Ragnhild Bjartnes[1], Anita Romsdal[2], Heidi Carin Dreyer[2], Jan Ola Strandhagen[1]*** *1: SINTEF, Norway; 2: NTNU, Norway*
10:30 am	**Coffee Break -** Location: **Restaurant**						

Tuesday, 12 October 2010

11:00 am	**SS11.2: Managing Operations Globally - II** Location: **Room A** Chair: A. Errasti	**SS3.4: Sustainable Initiatives in Developing Countries - IV** Location: **Room B** Chair: P.L. de Oliveira Costa Neto	**NS2.4: Sustainable Manufacturing and Operations - IV** Location: **Room C** Chair: J.O Strandhagen	**SS10.2: Supply Risk Management - II** Location: **Room D** Chair: R. Pinto	**NS7.3: Production Planning & Control - III** Location: **Room E** Chair: M. Tucci	**SS4.2: Product Service System Engineering - II** Location: **Room F** Chair: R. Karni	**NS10.2: Technologies - II** Location: **Room G** Chair: S. Childe
	How to adapt the management control system to the internationalization process ***Deborah Agostino, Michela Arnaboldi, Donatella Corti*** *Politecnico di Milano, Italy*	***Competitive advantage based on technological innovation - the case of Marcopolo*** ***Jorge Monteiro Junior, Oduvaldo Vendrametto*** *UNIP - Paulista, University, Brazil*	***Life cycle simulation: a state of the art analysis*** ***Paolo Rosa[1], Marco Garetti[1], Francesca Pozzi[1], Sergio Terzi[2]*** *1: Politecnico di Milano, Italy; 2: University of Bergamo, Italy*	***A Dynamic Systems Approach to Production Management in the Automotive Industry*** ***Vasco Figueiredo Teles[1], Francisco Restivo[2]*** *1: MIT Portugal Program - University of Porto, Portugal; 2: LIACC - University of Porto, Portugal*	***Batch Cyclic Scheduling with setups. A multi-objective approach*** ***Jorge Arturo Martínez Ortiz[1], Jose Pedro Garcia Sabater[2], Carlos Andrés Romano[2]*** *1: Monterrey Technological Institute, Mexico; 2: ROGLE / UPV, Spain*	***A Methodological approach to engineer a Product-Service System*** ***Giuditta Pezzotta, Sergio Cavalieri*** *University of Bergamo, Italy*	***IT Strategies and Corporate Results: an Empirical Study*** ***Andrea Masini[2], Marco Perona[1], Alessandro Sicco[1]*** *1: University of Brescia, Italy; 2: London Business School, United Kingdom*
	The Reconfigurability of Dynamically Integrated Manufacturing System—An Experimental Study ***Naihui He, David Z. Zhang*** *University of Exeter, United Kingdom*	***Dealing with the Substitution of Tin-Lead Solders in Developing Countries*** ***Marco Antonio Madureira, Biagio Fernando Giannetti, Silvia Helena Bonilla, Cecilia M.V.B. Almeida*** *UNIP - Paulista, University, Brazil*	***Gantt chart Simulation based Job Change Planning for LCD Industry*** ***Taedong Kim[1], B.K. Choi[1], Donghun Kang[1], JunYoung Lee[1], Duckwoong Lee[1], JaeHee Kim[2]*** *1: KAIST, South Korea (Republic of); 2: Hankook Tire, South Korea (Republic of)*	***Development and Implications of Power Relationships between Chinese and Western Companies*** ***Oliver Schneider[1], Robert Alard[1], Oehmen, Josef[2]*** *1: ETH Zurich, Switzerland; 2: MIT, United States of America*	***A Facility Layout Formulation and Hybrid Particle Swarm Optimization for Resource-Constrained Project Scheduling Problem*** ***Qiong Jia, Yoonho Seo, Minseok Seo*** *Korea University, South Korea (Republic of)*	***Critical Factors for Managing the Implementation and Diffusion of Eco-Efficient Product-Service Systems: Insights from Innovation Sciences and Companies' Experiences*** ***Fabrizio Ceschin*** *Politecnico di Milano, Italy*	***Designing and Managing Sustainable IT Service Systems*** ***Mariagrazia Fugini, G.R. Gangadharan, Barbara Pernici*** *Politecnico di Milano, Italy*
	Integrative Production Technology - 9 Success Factors to Keep Production in High Wage Countries ***Tobias Brosze[1], Stefan Kompa[1], Volker Stich[1], Peter Burggräf[2]*** *1: FIR RWTH - Aachen University, Germany; 2: WZL RWTH - Aachen University, Germany*	***Is the development of Brazilian Biofuel Network sustainable?*** ***Mario Mollo Neto, Oduvaldo Vendrametto, Robert Ari Waker*** *UNIP - Paulista, University, Brazil*	***Sustainable storage assignment in AS/RSs*** ***Antonella Meneghetti*** *University of Udine, Italy*	***Redesigning food supply chains to improve performance robustness using vulnerability profiling*** ***Jelena V. Vlajic, Sander W.M. van Lokven, Rene Haijema, Jack G.A.J. van der Vorst*** *Wageningen University, The Netherlands*	***The Relative Stability of a Product Mix*** ***Peter Nielsen, Izabela Nielsen, Kenn Steger-Jensen*** *Aalborg University, Denmark*	***Goal-Driven Service Process Redesign: Conflict Resolution through TRIZ Principles*** ***Reuven Karni[1], Maya Kaner[2], Matias Dubin[2]*** *1: Shenkar College of Engineering and Design, Israel; 2: Ort-Braude College of Engineering, Israel*	***ICT Integration for Automatic Real-time Production Planning and Control: A Concept Note*** ***Emrah Arica[1], Daryl Powell[2]*** *1: SINTEF, Norway; 2: NTNU - Norwegian University of Science and Technology, Norway*
	Supply Chain Planning in Open Business Environment based on Business Patterns ***Hanil Jeong[1], Jinwu Seo[2], Dongmyung Lee[2], Jinwoo Park[2]*** *1: Daejeon University, South Korea (Republic of); 2: Seoul National University, South Korea (Republic of)*	***An Assessment Model for Hydrogen Production Technology and Application in Taiwan*** ***Pao-Long Chang, Chiung-Wen Hsu, Chih-Min Hsiung*** *Feng Chia University, Taiwan, Republic of China*			***Automating and Optimizing Production Planning with a Two Level Multi-Criteria-Lot Sizing Method*** ***Daniel Brodkorb, Wilhelm Dangelmaier*** *University of Paderborn, Germany*	***Understanding the Use Value Dimensions of Outsourced Maintenance Services*** ***Amir Toossi, Helen Lockett, Jawwad Raja, Veronica Martinez*** *Cranfield University, United Kingdom*	***Value added by interoperable information systems in spread production networks*** ***Dirk Oedekoven, Günther Schuh*** *FIR RWTH - Aachen University, Germany*
12:30 pm	**Lunch -** Location: **Restaurant**						

Tuesday, 12 October 2010							
2:00 pm	**SS8.1: New Product Introduction and Innovation in the 21st Century - I** Location: **Room A** Chair: A. Bouras	**SS3.5: Sustainable Initiatives in Developing Countries - V** Location: **Room B** Chair: M. Mollo Neto	**NS3.1: Sustainable Supply Chain Management - I** Location: **Room C** Chair: G. von Cieminsky	**SS5.1: Product-Related Service Delivery Networks Design, Management and Optimization** Location: **Room D** Chair: M. Rapaccini	**NS7.4: Production Planning & Control - IV** Location: **Room E** Chair: B. Grabot	**NS6.1: Performance Management and Sustainability - I** Location: **Room F** Chair: H.C Dreyer	
	Composite Eco-design ***Nicolas Perry, Olivier Mantaux, François-Xavier Kromm, Aurélie Pilato*** *University of Bordeaux 1, France*	***Comparative analysis of the application of sustainability concepts in coffee bean production in Brazil*** ***I. de Alencar Nääs, J.G Mendes dos Reis, Hélio C. de Araújo, P.L de Oliveira Costa Neto, J.M Abe*** *UNIP - Paulista, University, Brazil*	***The Challenge of being both Cost Efficient and Responsive: Analysing the Supply Chain Design of Ericsson, the Telecom Equipment Maker*** ***Robin von Haartman*** *University of Gävle, Sweden*	***Cross Training Policies in a Maintenance Field Service Organization*** ***Pieter Colen, Marc Lambrecht*** *KU Leuven, Belgium*	***A Decentralized Approach for Coordinating Production and Transportation Planning*** ***Zhen Zhen Jia, Jean-Christophe Deschamps, Rémy Dupas*** *University of Bordeaux 1, France*	***Performance Analysis of the Compliance to Delivery Dates of Enterprises operating in Production Networks*** ***Hendrik Jähn*** *Chemnitz University of Technology, Germany*	
	Indices to support the Design for Disassembly product evaluation during the design process ***Michele Germani, Claudio Favi, Marco Mandolini*** *Polytechnic University of Marche, Italy*	***Metrics for Achieving Optimized Mainframe Processing Capacity Utilization Aiming at Reducing Power Consumption*** ***Antonio Cesar Sartoratto Dias, Ivanir Costa*** *UNIP - Paulista, University, Brazil*	***International Supplier Networks and Supply Chain Integration: Lessons from a Survey on Their Impact on Delivery Performance*** ***Pamela Danese[1], Marco Formentini[2], Pietro Romano[2], Thomas Bortolotti[2]*** *1: University of Padova, Italy; 2: University of Udine, Italy*	***Responding To The Eco-Sustainability Logistics Challenge: Using Sensor Information To Increase The Eco-Effectiveness Of The Transportation Chain*** ***Alexander Christian Skorna, Andreas Hinz*** *University of St. Gallen, Switzerland*	***Minimization of kilometric cost on the Vehicle Routing Problem with Heterogeneous fleet, Mixed Backhauls, and Time Windows using the Particle Swarm Optimization*** ***F. Belmecheri, C.Prins, F. Yalaoui, L. Amodeo***	***Sustainability metrics: an evaluation methodology for warehousing*** ***Marco Taisch, Daniele Tessarolo, Manuel Morganti, Jacopo Cassina, Lorenzo Sala*** *Politecnico di Milano, Italy*	
	Product Portfolio Environmental Performance Analysis – applied to room air-conditioner market in Japan ***Jan Dusek, Yoshiro Fukuda*** *Hosei University, Japan*	***Building with sugar and corn*** ***Jorge Pinto[1], Anabela Paiva[2], Ana Costa[1], Pedro Tavares[1], Lizete Fernandes[1], Antonio Murta[1], Humberto Varum[3]*** *1: University of Tras-os-Montes and Alto Douro, Portugal; 2: University of Beira Interior, Portugal; 3: University of Aveiro, Portugal*	***Supply Chain Game: Development of an E-learning tool for skills training of supply chain operations management*** ***Shigeki Umeda, Takahiro Hata*** *Musashi University, Japan*	***Sustainable Product-Service Ecosystems Monitoring*** ***Régis Aubry, Frédérique Biennier, Sébastien George, Mathieu Maranzana*** *INSA - LIESP French Engineering University of Lyon, France*	***Why is there a mismatch between operation times in the planning systems and the times in reality?*** ***Peter Martin Almström, Mats Winroth*** *Chalmers University of Technology, Sweden*	***Measuring performance in knowledge intensive healthcare services*** ***Carmen de Pablos[1], Enrique de la Puerta[2], David López[3], Maria O. Valentin[4]*** *1: Rey Juan Carlos University, Spain; 2: I.E. Business School, Spain; 3: University of León, Spain; ONT, Spain*	
	Automotive part eco-design using end-of-life treatment cost assessment and value conservation ***L. Chemineau[1,2], D. Froelich[1], F. Abraham[2]*** *1: ParisTech, France; 2:Renault SA, France*	***A sustainable energy supply model applied to an industrial fishery in Laâyoune, Western Sahara*** ***Marc Setzpfand, Wubbo J. Ockels, Joris A. Melkert*** *Delft University of Technology, The Netherlands*	***Green Supply Chain Practices (GSCP) Adoption: Understanding Motivations and Barriers among 3PLs*** ***Sara Perotti, Guido J.L. Micheli, Enrico Cagno*** *Politecnico di Milano, Italy*	***System Dynamics modeling for Product-Service Systems A case study in the agri-machine industry*** ***E. Legnani, S. Cavalieri, A.C Marquez, V. González Díaz***	***New trends and challenges in Transfer Line Balancing*** ***Mohamed Essafi[1,2], Xavier Delorme[1], Alexandre Dolgui[1]*** *1: EMSE, France; 2: University of Grenoble, France*	***A structured approach to implement Performance Measurement Software Tools based on reference models*** ***Guillaume Vicien, Yves Ducq, Bruno Vallespir*** *IMS - University of Bordeaux 1, France*	
3:30 pm	**Coffee Break -** Location: **Restaurant**						

Tuesday, 12 October 2010							
4:00 pm	**SS8.2: New Product Introduction and Innovation in the 21st Century - II** Location: **Room A** Chair: A. Bernard	**NS1.1: Strategy for Sustainability - I** Location: **Room B** Chair: M. Garetti	**NS3.2: Sustainable Supply Chain Management - II** Location: **Room C** Chair: S. Cavalieri	**SS6.1: Risk Management as a Powerful Means for Sustainability** Location: **Room D** Chair: E. Cagno	**NS7.5: Production Planning & Control - V** Location: **Room E** Chair: D. Kiritsis	**NS6.2: Performance Management and Sustainability - II** Location: **Room F** Chair: F. Visintin	
	PLM perspectives in mechatronic systems design ***Matthieu Bricogne[1], Nadège Troussier[1], Louis Rivest[2], Benoît Eynard[1]*** *1: UTC - Technological University of Compiegne, France; 2: ETS - Montréal Advanced School of Technology, Canada*	***Proposal of a reference sustainability framework*** ***Paolo Rosa[1], Endris Kerga[1], Bartolomeo Pio Cammarino[1], Sergio Terzi[2]*** *1: Politecnico di Milano, Italy; 2: University of Bergamo, Italy*	***Green Supply Chain Management: A Case Study Analysis of the Automotive Industry*** ***Susana Garrido Azevedo[1], Helena Helena Carvalho[2], V. Cruz Machado[2]*** *1: University of Beira Interior, Portugal; 2: New University of Lisbon, Portugal*	***Can supply chain risk management improve firm performance? A focal firm perspective*** ***Enrico Cagno, Guido J.L. Micheli, Antonio Russo*** *Politecnico di Milano, Italy*	***Practical Integration of APS with an ERP System*** ***Izabela Ewa Nielsen, Bo Olesen, Kenn Steger-Jensen*** *Aalborg University, Denmark*	***Key Performance Indicators for Sustainable Distribution Supply Chains: Set Building Methodology and Application*** ***Yann Bouchery, Asma Ghaffari, Zied Jemai*** *Paris Central School, France*	
	Business Process Intelligence: an Application to the Product Development Process ***Luigi Luti*** *Independent Consultant, Italy*	***Pursuing Sustainability Synergies in Global Operations Networks*** ***Peter Meulengracht Jensen, Brian Vejrum Wæhrens, John Johansen*** *Aalborg University, Denmark*	***The disruptive innovation in the automatic warehouses industry: empirical evidence from an Italian company*** ***Antonio Palmieri[1], Enzo Baglieri[2]*** *1: University of Bergamo, Italy; 2: SDA Bocconi, Italy*	***Do Risk Management practices impact on Sustainability Reporting?*** ***Marika Arena, Michela Arnaboldi, Giovanni Azzone, Sara Zanichelli*** *Politecnico di Milano, Italy*	***Stability analysis of one balancing problem of simple assembly lines with parallel workplaces*** ***Evgeny Gurevsky, Olga Guschinskaya, Alexandre Dolgui*** *EMSE, France*	***Supply Chain Sustainability Indicators: a review*** ***Laura Mazzoldi, Simone Zanoni*** *University of Brescia, Italy*	
	A novel tool to support manufacturing sustainability in UK electronics manufacturing from a quality perspective ***Lina Angelica Maria Huertas Quintero, Emma Rosamond, Paul P. Conway, Andrew A. West*** *Loughborough University, United Kingdom*	***Methods for competence development for sustainable manufacturing*** ***Astrid Vigtil[1], Asbjørn Rolstadås[1], Manuel Fradinho[1], Emanuele Carpanzano[2], Carlo Brondi[2]*** *1: NTNU - Norwegian University of Science and Technology, Norway; 2: ITIA - CNR, Italy*	***Cooperation in Supply Chains: from practical problems to conceptual models*** ***Bernard Grabot[1], Florian Hémont[1,2], Anne Mayère[2]*** *1: LGP-ENIT Engineering National School of Tarbes, France; 2: CERTOP University of Toulouse, France*	***Sustainable Supply Chain Management from the Perspectives of Risk Management*** ***Aicha Sekhari[1], Syed Akhter Hossain[2], Abdelaziz Bouras[1], S. Santiteerakul[2]*** *1: University of Lyon 2, France; 2: East West University , Bangladesh*	***Flexible assembly technology for highly customisable vehicles*** ***Sotiris Makris[1], George Michalos[1], Konstantinos Efthymiou[1], Konstantinos Georgoulias[1], Nikolaos Papakostas[1], Amit Eytan[2], Manuel Lai[2], George Chryssolouris[1], Kosmas Alexopoulos[1]*** *1: University of Patras, Greece; 2: Fiat S.p.a, Italy*	***Best Practice of Performance Measurement in Supply Chain Contracts*** ***Bjørn Ragnar Albrigtsen[1], Heidi Carin Dreyer[1], Jan Ola Strandhagen[2]*** *1: NTNU - Norwegian University of Science and Technology, Norway; 2: SINTEF, Norway*	
	A DSM based Product Development model for assessing the innovation strategy effect to the product development cycle ***Emmanuel Maravelakis[1], Nikolaos Bilalis[2], Eleytherios Dermitzakis[2], Emmanuel Karapidakis[1]*** *1: Technological Institute of Crete, Greece; 2: University of Crete, Greece*	***Towards to operational sustainable business development concept*** ***Sergio Luiz Da Silva, Waldemar Pacheco Júnior, Márcia do Valle Pereira Loch, Antônio Sérgio Coelho, Vera Lúcia Duarte do Valle Pereira, Alvaro Guillermo Rojas Lezana*** *UFSC - Federal University of Santa Catarina, Brazil*	***How green is the automotive supply chain? – An assessment from within the industry*** ***Gregor Alexander Von Cieminski*** *ZF Friedrichshafen AG, Germany*	***Rightsizing production: The calculus of "Ecological Allowance" and the need for industrial degrowth*** ***André Reichel, Barbara Seeberg*** *GSaME - University of Stuttgart, Germany*	***Target Investment Approach in Factory Planning*** ***Thorsten Pflüger, Burkhard Pedell, Engelbert Westkämper*** *GSaME - University of Stuttgart, Germany*	***Is it relevant to evaluate "sustainality" by using aggregation operators like Choquet integrals?*** ***Lamia Berrah, Vincent Cliville*** *University of Savoy, France*	
6:45 pm	**Gala Dinner** Teatro Sociale di Como (buses leave from Grand Hotel di Como at 6.45, dinner start at 7.30) - Speech by Moritz Mantero, Mantero Seta S.p.A. **Como, from the Silk City to...**						

Wednesday, 13 October 2010

9:00 am	**SS8.3: New Product Introduction and Innovation in the 21st Century - III** Location: **Room A** Chair: M. Flores	**SS12.1: Fostering Energy Efficiency in Manufacturing - I** Location: **Room B** Chair: M. Nakano	**NS3.3: Sustainable Supply Chain Management - III** Location: **Room C** Chair: G. Micheli	**SS9.1: Intelligent Non-Hierarchical Manufacturing Networks - I** Location: **Room D** Chair: T. Jasinski	**NS7.6: Production Planning & Control - VI** Location: **Room E** Chair: J.E Rooda	**NS9.1: Maintenance Management - I** Location: **Room F** Chair: C. Emmanoulidis	**NS1.2: Strategy for Sustainability - II** Location: **Plenary - Spazio Como** Chair: S. Makris
	Applying Lean thinking concepts to New Product Development ***Amaia Sopelana, Mikel Sorli, Marco Taisch, Ahmed Al-Shaab, John Keast, Myrna Flores, Dragan Skotic, Leire Martinez***	***Toward an integrated eco-design method of products and processes - Utilization of TPI as a glue to combine multiple tools-*** ***Shinsuke Kondoh, Nozomu Mishima*** *AIST - National Institute of Advanced Industrial Science and Technology, Japan*	***Supply Chain Quality Management: Analysing Service-Based Relations within a Supply Chain in the Manufacturing Environment*** ***Pinar Baban, David Zhang, Mickey Howard, Stephen Childe, Richard Lamming*** *University of Exeter, United Kingdom*	***Collaborative configuration of virtual organizations for mass customization*** ***Rosanna Fornasiero[1], Andrea Zangiacomi[1], Andrea Chiodi[2]*** *1: ITIA - CNR, Italy; 2: Synesis, Italy*	***An investigation of the volatility of volume and revenue for planning purposes*** ***Peter Nielsen, Izabela Nielsen, Kenn Steger-Jensen*** *Aalborg University, Denmark*	***Towards e-Maintenance: maturity assessment of maintenance services for new ICT introduction*** ***Luca Fumagalli[1], Marco Macchi[1], Sergio Pizzolante[1], Adolfo Crespo Marquez[2], Juan Gomez Fernandez[2]*** *1: Politecnico di Milano, Italy; 2: University of Seville, Spain*	***Sustainable Operations supported by Information and Communications Technologies: a pilot study in SMEs*** ***Ricardo Javier Hernandez Pardo, Tracy Bhamra*** *Loughborough University, United Kingdom*
	The industrial requirements of KBE for the LeanPPD model ***Ahmed Al-Ashaab[1], Myrna Flores[2], Muhammad Khan[1], Maksim Maksimovic[1], Raham Alam[1], Essam Shehab[1], Athanasia Doultsinou[1], Amaia Sopelana[3]*** *[1]Cranfield University, United Kingdom; [2]EPFL, Switzerland; [3]TECNALIA, Spain*	***A Holistic Approach to Computer-aided Scenario Design Targeting Sustainable Manufacturing*** ***Yusuke Kishita, Yuji Mizuno, Maki Hirosaki, Haruna Wada, Shinichi Fukushige, Yasushi Umeda*** *Osaka University, Japan*	***Improving productivity through the development of indicators and classification of milk producers*** ***Marcelo Tsuguio Okano[1], Oduvaldo Vendrametto[2], Osmildo Sobral dos Santos[3]*** *1,2: UNIP - Paulista, University, Brazil; 3: UNIP/UNG - Paulista, University, Brazil*	***Incentive Approaches for Delivery Reliability Improvement in Non-Hierarchical Networks of the Machinery and Equipment Industry*** ***Volker Stich, Alexander Kleinert, Stefan Cuber*** *FIR RWTH - Aachen University, Germany*	***Holonic, Isoarchic and Multicriteria Control for Manufacturing Networks: Application to Integrated Logistics Support*** ***Fouzia Ounnar, Patrick Pujo*** *LSIS - Aix Marseille University, France*	***Planning and control of maintenance as a strategic dimension in the development of sustainable production in Brazil: an innovation in the 21st century*** ***José Barrozo de Souza, José Benedito Sacomano, Sergio Luiz Kyrillos, Francisco J. S. Milreu*** *PPGEP/UNIP - Paulista, University, Brazil*	***Development of an Embedded RFID Tag for End-of-Life Management within an Electronics Manufacturing Supply Chain*** ***Axel Bindel, Laura Justham, Paul Conway, Heinz Lugo, Julien Viret, Andrew West*** *Loughborough University, United Kingdom*
	A Knowledge Engineering Methodology for Long Term Knowledge Retention (LTKR) in Product Lifecycle Management (PLM) Scope ***Fei Teng, Néjib Moalla, Abdelaziz Bouras*** *University of Lyon 2, France*	***Energy Efficiency Enhancement in Discrete Manufacturing Process with Energy Use Parameters*** ***Juhani Heilala, Krzysztof Klobut, Tapio Salonen, Paula Järvinen, Pekka Siltanen, Jari Shemeikka*** *VTT Technical Research Center, Finland*	***A Model-driven Diagnostic tool and Approach for Enterprise and Supply Chain Optimisation*** ***Thomas Eriksen, Kenn Steger-Jensen, Hans-Henrik Hvolby, Peter Nielsen*** *Center for Logistics, Aalborg University, Denmark*	***Web-based benchmarking platform for delivery reliability in non-hierarchical production networks*** ***Günther Schuh, Achim Kampker, Thomas Jasinski, Fabian Bachmann*** *Aachen University, Germany*	***Remanufacturing System Scheduling based on a Multi-agent Approach*** ***Young-Seok Kim, Dimitris Kiritsis*** *EPFL, Switzerland*	***Implementation of OEE – issues and challenges*** ***Jan Olhager[1], Amrik Sohal[2], Peter O'Neill[2], Daniel Prajogo[2]*** *1: Linkoping University, Sweden; 2: Monash University, Australia*	***Carbon Auditing for Transport Service Provider*** ***Hanne Marie Gabriel*** *SINTEF, Norway*
	Early Evaluation of Manufacturing Costs within an Integrative Design of Product and Production System ***D. Nordsiek, J. Gausemeier, G. Lanza, S. Peters***	***Improve Energy Efficiency in Manufacturing Plants through Consumption Forecasting and Real Time Control: Case Study from Pharmaceutical Sector*** ***V. Introna, S. Deli Orazi, V. Cesarotti*** *University of Rome, Italy*	***Green SCM Pressures, Practices and Benefits – A Survey in Italy*** ***E. Cagno, G.J.L. Micheli, M. Zorzini, J. Sarkis, S. Perotti***	***Engineer to Order mass and extended production systems improvement in the Construction Industry based on GRAI Methodology: an empirical study*** ***A. Errasti, J. Santos, R. Poler***	***Innovative production control based on decentralized intelligence*** ***Kai Mertins, Markus Rabe, Burkhard Schallock*** *IPK - Fraunhofer Institute for Production Technology, Germany*	***Predictive Maintenance Strategies for Sustainable Manufacturing*** ***Eduardo Gilabert, Egoitz Conde*** *Tekniker, Spain*	***Investigation of initiatives towards sustainability: a supply chain perspective*** ***Marco Melacini[1], Gino Marchet[1], Sara Perotti[1], Fabrizio Dallari[2], Claudia Colicchia[2]*** *1: Politecnico di Milano, Italy; 2: Carlo Cattaneo University - LIUC*
10:30 am	**Coffee Break -** Location: **Restaurant**						

Wednesday, 13 October 2010

11:00 am	**SS8.4: New Product Introduction and Innovation in the 21st Century - IV** Location: **Room A** Chair: A. Sopelana	**SS12.2: Fostering Energy Efficiency in Manufacturing - II** Location: **Room B** Chair: M. Taisch	**NS5.1: Sustainable Healthcare Services** Location: **Room C** Chair: C. Gobbi	**SS9.2: Intelligent Non-Hierarchical Manufacturing Networks - II** Location: **Room D** Chair: R. Poler	**NS7.7: Production Planning & Control - VII** Location: **Room E** Chair: S. Miranda	**NS9.2: Maintenance Management - II** Location: **Room F** Chair: M. Macchi	**NS1.3: Strategy for Sustainability - III** Location: **Plenary - Spazio Como** Chair: S.L Da Silva
	The development of a tool and methodology for identifying and classifying waste within New Product Development ***Celine Elizabeth Martin, John Keast, Mike James-Moore*** *University of Warwick, United Kingdom*	***Energy Efficiency in Manufacturing. Using the Energy Value Stream Method for Building an Energy-Efficient Factory*** ***Klaus Erlach*** *IPA - Fraunhofer Institute for Production Technology, Germany*	***Sustainable ICT-based Services for Healthcare*** ***Gacomo Copani[1], Lorenzo Molinari Tosatti[1], Silvia Marvulli[2], Roberto Bosani[2], Fabio Massimo Marchetti[3]*** *1: ITIA - CNR, Italy; 2: SPEED R&D, Italy; 3: SPEED Automazione, Italy*	***Delivery reliability in non-hierarchical networks: evidence from the machinery sector*** ***Roberto Pinto[1], Itziar Ricondo[2], Arkaitz Uriarte[2], Marco Taisch[3]*** *1: University of Bergamo, Italy; 2: Ideko-IK4 R&D Center, Spain; 3: Politecnico di Milano, Italy*	***Systematic Approach for Variability-Reduction as a Roadmap for Continuous Improvement in Flow Production*** ***Kai Lorentzen[1], Thomas Maschek[2], Ralph Richter[1], Jochen Deuse[2]*** *1: Robert Bosch GmbH, Germany; 2: TU - Dortmund University, Germany*	***Enhancement of the serviceability in the machine and plant industry*** ***Gisela Lanza, Benjamin Behmann, Patrick Werner*** *KIT - Karlsruhe Institute of Technology, Germany*	***Guidelines for Mass Customization Manufacturing*** ***Erlend Alfnes, Lars Skjelstad, Emrah Arica*** *NTNU - Norwegian University of Science and Technology, Norway*
	Lean Innovation – Introducing takt time to product development processes ***Gunther Schuh, Lenders Michael, Marcus Rauhut*** *WZL RWTH - Aachen University, Germany*	***Energy efficiency optimization through production management decisions in manufacturing environment: a proposal*** ***Alessandro Cannata, Marco Taisch, Emanuele Vallo*** *Politecnico di Milano, Italy*	***Factors that hinder the implementation of process flow solutions related to the existing knowledge paradigm in Healthcare*** ***Torbjörn Jacobsson[1], Pär Åhlström[2]*** *1: Chalmers University of Technology, Sweden; 2: Stockholm School of Economics, Sweden*	***Evaluation of ISO 9001:2008 standard applicability within Non-hierarchical Manufacturing Networks*** ***Patrick Sitek, Marcus Seifert, Klaus-Dieter Thoben*** *BIBA - Bremen Institute for Production and Logistics, Germany*	***Improvement of mixed model assembly line balancing considering mix distribution probability and sequencing logic*** ***Donatella Corti, Alessandro Pozzetti*** *Politecnico di Milano, Italy*	***Condition monitoring based on incremental learning and domain ontology for condition-based maintenance*** ***Luca Fumagalli[1], Christos Emmanouilidis[2], Erkki Jantunen[3], Petros Pistofidis[2], Marco Macchi[1], Marco Garetti[1]*** *1: Politecnico di Milano, Italy; 2: CETI/ATHENA, Greece; 3: VTT, Finland*	***Improving Corporate Sustainability Management with Business Intelligence*** ***Fabian Kröner, Philip Hollstein*** *GSaME - University of Stuttgart, Germany*
	The Wheel of Change Framework towards Lean in Product Development ***Myrna Flores[1], Dayra Díaz[1], Christopher Tucci[1], Ahmed Al-Ashaab[2], Mikel Sorli[3], Amaia Sopelana[3], Alexander Paris[3]*** *[1]EPFL, Switzerland; [2]Cranfield University, UK; [3]TECNALIA, Spain*	***Enhanced Production Management Approaches – Integrating Energy Efficiency Performance into Companies Decision Making Processes*** ***Katharina Bunse, Matthias Vodicka, Christian O. Schneider*** *ETH Zurich, Switzerland*	***Collaborative Purchasing in Healthcare System*** ***Chiara Gobbi, Juliana Hsuan*** *Copenhagen Business School, Denmark*	***Production error analysis for a line of manufacturing machines, variable structure control approach.*** ***Konstantin K. Starkov, Alexander Y. Pogromsky, Jacobus E. Rooda*** *Eindhoven University, The Netherlands*	***Dynamic calculation of the constrained EOQs for multiple products with space restrictions*** ***Salvatore Miranda, Raffaele Iannone, Stefano Riemma*** *University of Salerno, Italy*	***A RFID Enabled Computerized Maintenance Management System in Aerospace Industry*** ***Sule Itir Satoglu, Murat Baskak*** *Istanbul Technical University, Turkey*	***The Link between Ecologically Sustainable Management and the Firm's Competitive Advantage – Differences in Performance through Incremental and Radical Innovation*** ***Andreas Hinz, Maike Scherrer-Rathje, Andrea Tribelhorn, Alexander Skorna*** *University of St. Gallen, Switzerland*
		Improving energy efficiency by demand side management ***Michael Ameling, Daniela Wuensch, Frank Nietzold*** *SAP Research Center Dresden, Germany*	***A proposed framework to introduce Lean Thinking in Healthcare Services*** ***Giovanni Davoli[1], Andrea Govoni, Riccardo Melloni*** *DIMeC - University of Modena and Reggio E., Italy*	***Understanding Manufacturing Networks as Service Systems: An Ontological Approach*** ***Tobias Mettler*** *SAP Research Center St.Gallen, Switzerland*	***Optimal ordering policy in a closed loop manufacturing system*** ***Kenichi Nakashima[1], Mitsutoshi Kojima[2]*** *1: Kanagawa university, Japan; 2: NIT, Japan*	***Advances in Kanban tracking*** ***Peter Bjerg Olesen, Hans-Henrik Hvolby, Kenn Steger-Jensen, Izabela Nielsen*** *Aalborg University, Denmark*	
12:30 pm	**Plenary 3** - Location: **Plenary - Spazio Como** Conclusion of the Conference and announcement of APMS 2011						
1:00 pm	**Lunch**						