

IMS Summer School May 26-28 2010 Zürich

Parallel sessions program

minor adjustments can be made to the final program

mai.26						
Time	Abstract title	Name	Type	Abstract title	Name	Type
13.30-14.00	Introduction to the session Chair: Vijay Srinivasan & Giorgio Pasquettaz					
	Session 1.1 Chair: Vijay Srinivasan			Session 1.2 Chair: Giorgio Pasquettaz		
14.00-14.45	Environmental benefits of parts remanufacturing, the truck injector case	Jorge Luis Amaya Rivas, University of Grenoble, France	A	Life Cycle costing as a strategy - sustainable operation of signaling systems in the railway infrastructure	Christian Hoffart, RWTH Aachen University & Karsten Kamps, Deutsche Bahn Germany (Combined presentation)	A I
14.45-15.30	Towards sustainable product lifecycle management information systems using ontology-based solutions	Aristeidis Matsokis, EPFL, Ecole Polytechnique Federale de Lausanne, Switzerland	A	Design for sustainability: a product lifecycle perspective	Natalia Duque Ciceri, Politecnico di Milano, Italy	A
15.30-16.00	Coffee/Tea break					
16.00-16.45	Requirements engineering of manufacturing sustainability performance measurements	Cathrine E. Larsson, NTNU, Norwegian university of science and technology	A	Sustainability based challenges from the view of an automotive company	Franz Homberger, R&D Daimler AG, germany	I
16.45-17.30	Sustainable manufacturing of light weight solutions	Kristian Martinsen, Sintef Raufoss Manufacturing, Norway	I	Life cycle assessment and product category rules as a supporting tool for evaluating sustainability of products: the case of upholstery furniture	Alessandro Arborea, Politecnico di Bari, Italy	A

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13.30-14.00	Introduction to the session Chair: Marco Garetti & Dimitris Kiritis					
	Session 2.1 Chair: Marco Garetti			Session 2.2 Chair: Dimitris Kiritis		
14.00-14.45	Sustainability metrics	Marina Salgado Gonzalez, University of Vigo, Spain	A	Price elasticity and sustainable manufacturing of consumer goods	Mohsen A. Jafari, Rutgers university, USA	A
14.45-15.30	Towards a sustainable industrial system	David Morgan, Cambridge University, UK	A	Smarter manufacturing for sustainable development	Hadrien Sziget, Interchim, Paris France	I
15.30-16.00	Coffee/Tea break					
16.00-16.45	Configuration of services for sustainable production	Kevin Podratz, RWTH Aachen University, Germany	A	Information aspects of product development for sustainability	Silje Aschehoug, NTNU, Norwegian University of science and technology	A
16.45-17.30	Can a non-sustainable organization provide a sustainable product?	Johan Pettersen, MISA, environmental systems analysis, Norway	I	Adaptive processing: a knowledge-based manufacturing method for achieving sustainability	Björg M. Granly, NTNU, Norwegian university of science and technology	A

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Time	Abstract title	Name	Type	Abstract title	Name	Type
09.00-09.45	Integrative frameworks for sustainability enhancement	Bart Gerritsen, TNO Netherlands	I	Sustainability requirements deployment in product-process ecodesign	Flore Vallet, UTC Laboratoire Roberval, France	A
09.45-10.30	Incorporating sustainability aspects when analysing manufacturing systems with discrete event simulation	Björn Johansson, Chalmers university of technology, Sweden	A	Impact assessment for sustainable industrial technologies development	Maria Stella Chiacchio, CNR, Consiglio Nazionale delle Ricerche, Italy	A
10.30-11.00	Coffee/Tea break					
11.00-12.15	Discussion: Common session					
12.15-13.30	Lunch					
13.30-14.30	Wrap-up of the session – report generation Chair: Vijay Srinivasan & Giorgio Pasquettaz					
End of the session						

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Time	Abstract title	Name	Type	Abstract title	Name	Type
09.00-09.45	Next generation maintenance systems: s-maintenance concept	Brigitte Morello, FEMTO-ST, France	A	A flexible integration framework for processes in the manufacturing industry	Anirban Majumdar, SAP research center, Dresten, Germany	I
09.45-10.30	Green collaboration in networks – evaluating the sustainable implementation of logistic concepts in networks	Jan Helmig, RWTH Aachen University, Germany	A	Sustainability maturity model – unit manufacturing processes – benchmarks and best practices	Mahesh Mani, NIST, National Institute of Standards and technology, USA	A
10.30-10.45	Coffee/Tea break					
10.45-11.30	Energy efficient machine tools	Marcus Wabner, IWU Fraunhofer, Germany	I	Production service systems and opportunities for remanufacturing	Emma Rosamond, Loughborough University UK	A
11.30-12.00	Common session					
12.00-13.30	Lunch					
13.30-14.30	Wrap-up of the session – report generation Chair: Marco Garetti/ Dimitris Kiritis					
End of the session						