

## Session 1, Sustainable lifecycle of products and production systems

mai.26						
Time	Abstract title	Name	Type	Abstract title	Name	Type
13.30-14.00	<b>Introduction to the session</b> <b>Chair: Vijay Srinivasan &amp; Giorgio Pasquettaz</b>					
	<b>Session 1.1</b>			<b>Session 1.2</b>		
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	Methodology to estimate products embodied energy and potential recovery i recycling: Italy and US cases	Natalia Duque Ciceri, Politecnico di Milano, Italy	A
<b>15.30-16.00</b>	<b>Coffee/Tea break</b>					
16.00-16.45	Requirements engineering of sustainable manufacturing performance measurements	Cathrine E. Larsson, NTNU, Norwegian university of science and technology and Kristian Martinsen, Sintef Raufoss Manufacturing, Norway	A I	Sustainability based challenges from the view of an automotive company	Franz Homberger, R&D Daimler AG, germany	I
16.45-17.30				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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Time	Abstract title	Name	Type	Abstract title	Name	Type
09.00-09.45	Engineering frameworks: A bibliographic survey-based problem inventory	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
<b>10.30-10.45</b>	<b>Coffee/Tea break</b>					
10.45 - 12.15	<b>Discussion: Common session</b>					
<b>12.15-13.30</b>	<b>Lunch</b>					
13.30-14.30	<b>Wrap-up of the session – report generation</b> <b>Chair: Vijay Srinivasan &amp; Giorgio Pasquettaz</b>					
	<b>End of the session</b>					

## Session 2, Sustainable products and production, services and maintenance

mai.26						
Time	Abstract title	Name	Type	Abstract title	Name	Type
13.30-14.00	Introduction to the session Chair: Marco Garetti & Dimitris Kiritsis					
	Session 2.1			Session 2.2		
14.00-14.45	Analysis of the sustainability in manufacturing processes through efficient use and consumption of resources	Marina Salgado Gonzalez, University of Vigo, Spain	A	Sustainable Consumer goods production and consumption	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	Gael Durand, Intercim, Paris France	I
15.30-16.00	<i>Coffee/Tea break</i>					
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	Bjørg 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	New perspectives of maintenance systems: "Towards s-maintenance"	Brigitte Morello, FEMTO ST, France	A	An ESB-based integration approach for processes in the manufacturing industry	Anirban Majumdar, SAP research center, Dresden, 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	Towards the development of a Sustainability Manufacturing Maturity model	Mahesh Mani, NIST, National Institute of Standards and technology, USA	A
10.30-10.45	<i>Coffee/Tea break</i>					
10.45-11.30	Development approaches for energy efficient machine tool structures	Marcus Wabner, IWU Fraunhofer, Germany	I	The application of Production services systems in remanufacturing activities	Emma Rosamond, Loughborough University, UK	A
11.30-12.15	Common session					
12.15-13.30	<i>Lunch</i>					
13.30-14.30	Wrap-up of the session – report generation Chair: Marco Garetti/ Dimitris Kiritsis					
<i>End of the session</i>						