

Cluster conference - Programme May 5, 2021

Theme: **Sustainable Manufacturing - green value chains**

Moderators:

Mariam Nafisi, Scania CV AB and

Jenny Bramell, Chairman of the Board of IUC and Programme Council Chairman FFI HP

08.30	Check in			
08.45	Welcome and introduction of the conference <i>Mariam Nafisi, Scania CVAB</i>			
09.00	Resource efficient and resilient value chains <i>Tero Stjernstoft, Vinnova</i>			
09:15	Theme: Sustainable Manufacturing - green value chains Panel discussion: <i>Strategy Board for the Manufacturing R&D Clusters:</i> <i>Staffan Vidén, Volvo Group, Lars-Henrik Jörnvig, Scania CVAB, Anders Bryngelsson, Volvo Cars, Peter Bryntesson, FKG</i>			
10.25	Break - Coffee, tea			
10.40	SuPr – A Swedish research and innovation node for sustainable production <i>Mats Lundin, operations manager SuPr</i>			
10.55	Produktion2030 coordinates education and upskilling for competitive and sustainable manufacturing <i>NN, Produktion2030</i>			
11.10	Theme: The manufacturing R&D clusters addressing Sustainable Manufacturing Introduction <i>Boel Wadman, RISE</i> Panel discussion: Assembly, Component Manufacturing, Forming and Joining, Surface Treatment Digital Manufacturing, Geometry & Quality, Logistics, Production Management RISE strategy on Sustainable Manufacturing <i>Christina Jönsson, RISE</i>			
12.00	Summary and closing of the first part			
12.15	Lunch			
Parallel sessions				
Time	Production Management and Logistics <i>Anders Johansson, Scania, Ulrika Harlin, RISE</i>	Forming and Joining <i>Vedran Kovacevic, AP&T, Joakim Hedegård, Swerim, Johan Berglund, RISE</i>	Assembly <i>Liselott Erixon, Volvo Cars Sandra Mattsson, RISE</i>	Geometry and Quality <i>Alf Andersson, Volvo Cars Helena Björk, RISE</i>
12.55	Welcome and check in	Welcome and check in	Welcome and check in	Welcome and check in
13.00	CO2 competitive Manufacturing – strategies and approaches when building a new circular factory. <i>Annika Werneman, Havredals AB</i>	Introduction to Forming and Joining <i>Johan Berglund, RISE</i> --- Joining: Running research projects <i>Joakim Hedegård, Swerim</i>	Which KPI: s contributes to a green value chain? Input from projects SABACE, FEED and SCARCE <i>Kerstin Johansen, JU Lars Oxelmark, Scania Sandra Mattsson, RISE</i>	AMIGO - Analysis with manikin for improved geometrical quality during manual assembly <i>Fredrik Wandebäck, RISE</i>
13.30.00	Preparing for the future – a view on roles and competence aspects from Volvo Group <i>Luciana D'assumpcao, Volvo Group</i>	Forming: Running research projects <i>Johan Berglund, RISE</i> ----- Summary and outlook, sustainable manufacturing and cluster activities <i>Johan Berglund, RISE, and Joakim Hedegård, Swerim</i>	Process Design <i>Martin Kruse, Volvo Cars</i>	Get in control of your surface quality using stylus method (ISO 3274) <i>Stefan Rosén, Toponova</i>

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Parallel sessions			
Time	Digital Manufacturing <i>Grethe Hallberg, Scania and Magnus Widfeldt, RISE</i>	Surface Treatment <i>Lars Erhardsson, Scania and Jan Skogsmo, RISE</i>	Assembly <i>Liselott Erixon, Volvo Cars and Sandra Mattsson, RISE</i>
08.35	Welcome and check in	Welcome and check in	Welcome and check in
08.45	Digital information flows using semantics, ontology, and standards for smart automation – Challenges, Research, and Graduate School. <i>Johan Vallhagen, Volvo Group, Gabriel Sebastian and Lennart Malmsköld, University West</i>	Strategies and Roadmap for the Surface Treatment Cluster <i>Jan Skogsmo, RISE</i>	Interoperability – What is it and how we work with it? <i>Åsa Fasth-Berglund, Chalmers SSILab</i>
09.15	Industry Graduate school DIA Data Intensive Application – Close collaboration between industry and universities towards common goals. <i>Welf Löwe, Linnaeus University, Per-Olof Danielsson and Manoranjan Kumar, Volvo Construction Equipment</i>	Ongoing research projects initiated by the Surface Treatment Cluster APPLY – Plasma treatment of plastics before painting. EDOPP – Simulation of Electrocoating ImpThin – Thin film pretreatments <i>Charlotte Ireholm, RISE</i>	Interoperability (continued) – How do we in the assembly cluster work with it? <i>Daniel Gåsvaer and Sandra Mattsson, RISE</i>
09.45	Break		
Time	Digital Manufacturing <i>Grethe Hallberg, Scania and Per Gullander, RISE</i>	Logistics <i>Lena Palm AB Volvo and Martin Kurdve, RISE</i>	Component Manufacturing <i>Lorenzo Daghini, Scania</i>
10.00	For Digitalisation – With the Times", renewal of the cluster for synergy effects between industry, institutes and universities. <i>Grethe Hallberg, Scania CV and Per Gullander, RISE</i>	Crisis Supply Chain Management, what can we learn? <i>Ala Arvidsson, Chalmers</i>	EcoGear - Environmental Friendly Bevel Gear Production, <i>Jannik Henser, PMH Application Lab</i>
10.30	Digital models and digital information flow in additive manufacturing. DiSAM, P2030. <i>Ola Isaksson, Chalmers</i>	Implementing AMR – Long Struggle or Instant Success? <i>Lars Svedung, Parker Hannifin AB</i>	CRANK-STEEL - Grindability of recycled steel for crank shafts <i>Philipp Hoier, Chalmers</i>
11.00	Predicting Digital Twin for Production Planning, ALADINO. <i>Claudia Kopf, Scania CV AB, Johanna Sigvardsson, Virtual Manufacturing, Diego Perez Palacin, Linnaeus University</i>	Supply chain visibility and traceability for sustainability in batteries circulation. <i>Patricia van Loon, Chalmers and Tarun Agrawal, KTH</i>	TED – Transmission components for electrified powertrains. <i>Eva Troell, RISE</i>

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