

ICOR

international conference
on remanufacturing

Amsterdam 27-29 June 2023

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University of Brighton



Scottish Institute for
Remanufacturing
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Agenda of International Conference on Remanufacturing

Venue: F005, Entrance F, RAI Amsterdam, Europaplein 24, 1078 GZ Amsterdam, Netherlands

(The halls for ReMaTec will open at 10am, but the conference room that is located downstairs can be accessed from 9am.)

27th June Tuesday- Session 1 , Session chair: Prof. Winifred Ijomah, University of Strathclyde, UK				
Time	Activities	Speaker	Organisation/ Country	Title
09:30	Welcome	Yan Wang	Chair of ICoR2023, University of Brighton, UK	Welcome
09:35	Keynote	Surendra M. Gupta	Northeastern University, U.S.A.	Warranty, Fraud and Future Trend in Remanufacturing Research: An Overview
10:00	Keynote	Cormac O'Prey	Kestrel Technology Consulting	Remanufacturing – why the slow uptake?
10:25	Presentation	Johan Vogt Duber	Linköping University, Sweden	Cambodian Customers' Perception of Remanufactured Automotive Parts
10:45	Presentation	Hikomasa Ijuin	The University of Electro-Communications, Japan.	Multi-Criteria Decision Making of Global and Closed-Loop Supply Chain Network for GHG Emissions, Recycling Rate and Costs Using Linear Physical Programming
11:05	Tea and Coffee			
11:40	Presentation	Mehmet Alegoz	Eskişehir Technical University, Turkey	Price and Greening Level Competition Between a Manufacturer and a Remanufacturer
12:00	Presentation	Kwaku Adu-Amankwa	University of Strathclyde, UK	Integrated Reverse Logistics for Remanufacturing: A Position Paper from understudying Computers
12:20	Presentation	Andreas Reimer/Andrew Appleby	University of Strathclyde, UK	Manufacturing impact assessment for remanufacture of a forging die
12:40	Lunch			
27th June Tuesday- Session 2, Session Chair: Dougal Flemming				
Time	Activities	Speaker	Organisation /Country	Title
13:30	Keynote	Paul Mativenga	University of Manchester, UK	Sustainable and low carbon manufacturing and remanufacturing with lasers

13:55	Keynote	Vaishali Kulkarni	Engineering Leader, New & ReCon Parts Operations, Cummins India Technical Center, India	Cummins Remanufacturing in India
14:20	Presentation	Fatima Abbas/Winfred Ijomah	University of Strathclyde, UK	Remanufacture as a tool for implementing circular economy principles in the oil and gas industry
14:40	Presentation	Ole Kroeger	Fraunhofer Institute for Production Systems and Design Technology, Germany	Assessment of carbon reduction through AI methods in inspection after reverse logistics
15:00	Tea and Coffee			
15:40	Presentation	Mitsutaka MATSUMOTO	AIST (National Institute of Advanced Industrial Science and Technology), Japan	Development of restoration technologies for remanufacturing
16:00	Presentation	Yan Wang	University of Brighton, UK	Evaluating the influence of different agents on carbon emissions from remanufacturing of medical devices
16:20	Presentation	Dr. James Tanoos	Purdue University, USA	Post-Pandemic Supply Chain Forecasting in the Multinational Automobile Industry
16:40	Presentation	Dr Pedro Piñeyro	Universidad de la República, Uruguay	Hybrid production-remanufacturing planning problem with bidirectional flows of items and recovery targets
17:00	ReMaTec drink (Academics and exhibitors), Venue: ReMaTec			

28th June Wed-Session 3				
Time	Activities	Speaker	Organisation/Country	Title
09:30	Keynote	Fernand Weiland and Prof. Dr.-Ing. Matthias Vette-Steinkam,	FJW Consulting/ Deutschland and Trier University of Applied Sciences/Germany	Remanufacturing Components for Electric Vehicles and more specifically for Lithium Batteries.
09:55	Keynote	Rajiv Ramchandra,	Recreate India Research Foundation, India	The Role of Research and Innovation to Expand the Frontier of Remanufacturing in India

10:20	Presentation	Tomohisa Kanazawa,	Hitachi Construction Machinery Co., Ltd., Japan	Challenge and Innovations of Carburized gears for Remanufacturing
10:40	Presentation	Oliver Baker/Steve Nobile	Remade Group and Associate of Remanufacture and electrification of used Non-Road Mobile Machinery	As-good-as-new Remanufacturing: E-market and
11:00 Tea and Coffee				
11:35	Presentation	Kingsley Oтуру	University of Strathclyde	Circular Business Models and UK-Nigeria Cross Border Collaboration for Remanufacture of Anaesthetic Machine and Neonatal Incubaors
11:55	Presentation	Wei Zhang	Jing-jin-ji Remanufacturing Industrial Research Centre, China	Practice and development prospect of China's rail transit vehicle remanufacturing industry
12:15	Presentation	M. Eng. Maximilian Herold	Fraunhofer IPA, Germany	Deep Learning with Low Variance Datasets: Classifying the Reusability of Parts for Remanufacturing Using Synthetic Images
12:35	Presentation	Wei Min	Jingjinji Institute of Remanufacturing Industry & Technology Co.Ltd, China	Hypersonic flame spraying technology and its application in remanufacturing
12:55	Lunch			

Time	Activities	Speaker	Organisation/Country	Title
14:00	Keynote	Daniel J. Vukelich, Esq.,	Daniel J. Vukelich, Esq., President of the Association of Medical Device Reprocessor (AMDR), USA	Remanufacturing Single-Use Medical Devices Reduces Cost, Waste, and Greenhouse Gas Emissions
14:25	Keynote	Wei Zhang,	Director of Jing-jin-ji Remanufacturing Industrial Research Centre, China	Development Trends and Prospects for the Remanufacturing Industry in China under the Dual-Carbon Target
14:50	Presentation	Prof. Wei Zhang/Min Wei	Jing-jin-ji Remanufacturing Industrial Research Centre, China	Remanufacturing progress and industrial practice of foreign-funded enterprises in China's free trade zone
15:10	Presentation	Ms Leire Gorroño Albizu	Mondragon Goi Eskola Politeknikoa S.Coop, España	Excellence in Remanufacturing: Guidelines, Maturity Model and Case Study of Industrial Companies in Spain's Basque Region
15:30	Tea and Coffee			

16:05	Presentation	Sandra Huster	Karlsruhe Institute of Technology, Germany	Remanufacturing Capacity Planning in New Markets - Effects of Different Forecasting Assumptions on Remanufacturing Capacity Planning for Electric Vehicle Batteries
16:25	Presentation	Kevin Gleich, Karlsruhe Institute of Technology	Karlsruhe Institute of Technology, Germany	Increasing transparency for sustainable network configuration and management by the example of automotive reverse supply chains
16:45	Presentation	Okorie, Okechukwu	University of Exeter, UK	Progress and trends in Design for remanufacturing: A bibliometric review and future research propositions
17:05	Presentation	Johan Vogt Duberg	Linköping University, Sweden	A review of models for assessing the initiation of remanufacturing profitability: from a practical application perspective
17:25	Presentation	Gregor Ohnemüller	Universität Bayreuth, Deutschland	Disassembly and its Obstacles: Challenges facing Remanufacturers of Lithium-Ion Traction Batteries

17:45 ICoR2023 conference dinner (ICoR participants only, fee payable by individuals. Venue: Namche Amsterdam, Lange Leidsedwardsstraat 91, 1017 NH Amsterdam. The restaurant is only 11 minutes by public transport. Dinner reserved from 7pm.

