

International Conference on Remanufacturing 2023 - Programme

27th June Tuesday

Session 1	Activities	Speaker	Organisation/Country	Title
09:00	Welcome	Dr. Yan Wang, Chair of ICoR2023	University of Brighton	Welcome
09:05	Keynote speech	Surendra M. Gupta, Professor of Mechanical and Industrial Engineering	Director of Laboratory for Responsible Manufacturing, Northeastern University, U.S.A.	Warranty, Fraud and Future Trend in Remanufacturing Research: An Overview
09:30	Keynote speech	Wei Zhang, Professor	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
09:55	Presentation	Johan Vogt Duber	Linköping University, Sweden	Cambodian Customers' Perception of Remanufactured Automotive Parts
10:15	Presentation	Hiromasa Ijuin	Northeastern University, U.S.A.	Multi-Criteria Decision Making of Global and Closed-Loop Supply Chain Network for GHG Emissions, Recycling Rate and Costs Using Linear Physical Programming
10:35	Tea and Coffee			
11:10	Presentation	Mehmet Alegoz	Eskişehir Technical University, Turkey	Price and Greening Level Competition Between a Manufacturer and a Remanufacturer
11:30	Presentation	Johan Vogt Duberg	Linköping University, Sweden	A review of models for assessing the initiation of remanufacturing profitability: from a practical application perspective
11:50	Presentation	Andreas Reimer/Andrew Appleby	University of Strathclyde, UK	Manufacturing impact assessment for remanufacture of a forging die
12:10	Presentation	Markus Wagne	Circular Economy Solutions GmbH	Assessment of carbon reduction through AI methods in inspection after reverse logistics
12:30	Lunch			
13:30				
Session 2	Activities	Speaker	Organisation/Country	Title
13:30	Keynote speech	Prof. Paul Mativenga	Chair in Multi-scale & Sustainable Manufacturing, University of Manchester, UK	Sustainable and low carbon manufacturing and remanufacturing with lasers

13:55	Keynote speech	Vaishali Kulkarni	Engineering Leader, New & ReCon Parts Operations, Cummins India Technical Center, India	Cummins Remanufacturing in India
14:20	Presentation	Wei Min	Hebei Jingjinji Institute of Remanufacturing Industry & Technology Co. Ltd, China	Hypersonic flame spraying technology and its application in remanufacturing
14:40	Presentation	Mitsutaka Matsumoto	AIST (National Institute of Advanced Industrial Science and Technology), Japan	Development of restoration technologies for remanufacturing
15:00 Tea and Coffee				
15:40	Presentation	Yan Wang, University of Brighton	University of Brighton, UK	Evaluating the influence of different agents on carbon emissions from remanufacturing of medical devices
16:00	Presentation	Kwaku Adu-Amankwa	University of Strathclyde, UK	Integrated Reverse Logistics for Remanufacturing: A Position Paper from understudying Computers
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 drinks (Academics and Exhibitors), Venue: ReMaTec				

28th June Wednesday

Session 1	Activities	Speaker	Organisation/Country	Title
09:30	Keynote speech	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 speech	Rajiv Ramchandra	Recreate India Research Foundation, India	The Role of Research and Innovation to Expand the Frontier of Remanufacturing in India
10:20	Presentation	Dr. Tomohisa Kanazawa,	Hitachi Construction Machinery Co., Ltd., Japan	Challenge and Innovations of Carburized gears for Remanufacturing
10:40	Presentation	Mr Kwaku Adu-Amankwa	University of Strathclyde, UK	Integrated Reverse Logistics for Remanufacturing: A Position Paper from understudying Computers
11:00 Tea and Coffee				
11:35	Presentation	Kingsley Otoru	University of Strathclyde	Circular Business Models and UK-Nigeria Cross Border Collaboration for Remanufacture of Anaesthetic Machine and Neonatal Incubators
11:55	Presentation	Prof. 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	Fatima Abbas	University of Strathclyde, UK	Remanufacture as a tool for implementing circular economy principles in the oil and gas industry
12:55	Lunch			
14:00				
Session 2	Activities	Speaker	Organisation/Country	Title
14:00	Keynote speech	Daniel J. Vukelich Esq.	Daniel J. Vukelich, Esq., President of the Association of Medical Device Reprocessors (AMDR), USA	Remanufacturing Single-Use Medical Devices Reduces Cost, Waste, and Greenhouse Gas Emissions
14:25	Keynote speech	Cormac O'Prey	Kestrel Technology Consulting	Remanufacturing – why the slow uptake?
14:50	Presentation	Prof. Wei Zhang	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, Germany	Increasing transparency for sustainable network configuration and management by the example of automotive reverse supply chains
16:45	Presentation	Hongmei Wang	National Key Laboratory for Remanufacturing, China	Formation of micro-arc oxidation coatings on 5083 aluminium alloys
17:05	Presentation	Okorie, Okechukwu	University of Exeter, UK	Progress and trends in Design for remanufacturing: A bibliometric review and future research propositions
17:25	Presentation	Johan Vogt Duberg	Linköping University, Sweden	A review of models for assessing the initiation of remanufacturing profitability: from a practical application perspective
17:45	Presentation	Gregor Ohnemüller	Universität Bayreuth, Deutschland	Disassembly and its Obstacles: Challenges facing Remanufacturers of Lithium-Ion Traction Batteries
18:05	ICoR2023 Conference Dinner (Conference registered only, fee payable by individuals. Venue: TBC)			