Marc Reimann Professor

Marketing Operations and Systems Department

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Research interests

Quantitative analysis and optimisation of closed-loop supply chains, sustainable operations, adaptive and anticipative behavior of firms in supply chains

Employment

Professor

Marketing Operations and Systems Department Northumbria University 1 Apr 2015 → present

Professor

University of Graz Austria 2 Jan 2009 → present

Research output

The impact of a repair subsidy on repair prices, demand and repair company profitability Reimann, M., 1 Sept 2024, In: Journal of Cleaner Production. 469, p. 1-8 8 p., 143102.

Can direct finance within a servitizing supply chain reduce the moral hazard associated with the servitized user's care of the product?

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Network Revenue Management Game in the Railway Industry: Stackelberg Equilibrium, Global Optimality, and Mechanism Design

Li, D., Islam, D., Robinson, M., Song, D., Dong, J. & Reimann, M., 1 Jan 2024, In: European Journal of Operational Research. 312, 1, p. 240-254 15 p.

The impact of convenience attributes on the willingness-to-pay for repair services

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The role of part failure rates asymmetry and spare part proprietariness on remanufacturing decision making

Kleber, R., Quariguasi Frota Neto, J. & Reimann, M., 1 Oct 2023, In: European Journal of Operational Research. 310, 1, p. 185-200 16 p.

Repair service convenience in a circular economy: The perspective of customers and repair companies

Güsser-Fachbach, I., Lechner, G., Ramos, T. B. & Reimann, M., 20 Aug 2023, In: Journal of Cleaner Production. 415, 11 p., 137763.

Drivers of the consumers' intention to use repair services, repair networks and to self-repair

Fachbach, I., Lechner, G. & Reimann, M., 20 Apr 2022, In: Journal of Cleaner Production. 346, 15 p., 130969.

Team of rivals: How should original equipment manufacturers cooperate with independent remanufacturers via authorisation?

Jin, M., Li, G. & Reimann, M., 1 Feb 2022, In: European Journal of Operational Research. 296, 3, p. 837-845 9 p.

Exploring a regional repair network with a public funding scheme for customer repairs: The 'GRAZ repariert'-case

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Model-based production cost estimation to support bid processes: an automotive case study

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Two-sided competition with vertical differentiation in both acquisition and sales in remanufacturing

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Proprietary Parts as a Secondary Market Strategy

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Should a manufacturer sell refurbished returns on the secondary market to incentivize retailers to reduce consumer returns?

Borenich, A., Dickbauer, Y., Reimann, M. & Souza, G. C., 16 Apr 2020, In: European Journal of Operational Research. 282, 2, p. 569-579 11 p.

Managing a Closed-loop Supply Chain with Process Innovation for Remanufacturing

Reimann, M., Xiong, Y. & Zhou, Y., 16 Jul 2019, In: European Journal of Operational Research, 276, 2, p. 510-518 9 p.

When remanufacturing meets product quality improvement: the impact of production cost

Li, G., Reimann, M. & Zhang, W., 16 Dec 2018, In: European Journal of Operational Research. 271, 3, p. 913-925 13 p.

The Line-haul Feeder Vehicle Routing Problem: Mathematical model formulation and heuristic approaches

Brandstätter, C. & Reimann, M., 1 Oct 2018, In: European Journal of Operational Research. 270, 1, p. 157-170

On the robustness of the consumer homogeneity assumption with respect to the discount factor for remanufactured products

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Vehicle routing problems with time windows and multiple service workers: a systematic comparison between ACO and GRASP

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Accurate Response with Refurbished Consumer Returns

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Towards a multi-objective performance assessment and optimization model of a two-echelon supply chain using SCOR metrics

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Joint optimization of production planning and vehicle routing problems: A review of existing strategies Reimann, M., Neto, R. T. & Bogendorfer, E., May 2014, In: Pesquisa Operacional. 34, 2, p. 189-214 26 p.

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Impact of product acquisition on manufacturing and remanufacturing strategies

Lechner, G. & Reimann, M., 2014, In: Production and Manufacturing Research. 2, 1, p. 831-859 29 p.

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Accurate response by postponement

Reimann, M., 1 Aug 2012, In: European Journal of Operational Research. 220, 3, p. 619-628 10 p.

Vehicle routing with multiple deliverymen: Modeling and heuristic approaches for the VRPTW

Pureza, V., Morabito, R. & Reimann, M., 1 May 2012, In: European Journal of Operational Research. 218, 3, p. 636-647 12 p.

Production and remanufacturing strategies in a closed-loop supply chain: A two-period newsvendor problem

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Diversification: A road to inefficiency in product innovations?

Dawid, H. & Reimann, M., May 2011, In: Journal of Evolutionary Economics. 21, 2, p. 191-229 39 p.

Studying the interdependence of contractual and operational flexibilities in the market of specialty chemicals

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The role of risk preferences and flexibility for risk management: Lessons from a custom manufacturing environment Reimann, M. & Schiltknecht, P., Jul 2009, In: Review of Managerial Science. 3, 2, p. 117-140 24 p.

Exact and heuristic algorithms for the vehicle routing problem with multiple interdependent time windows

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Savings based ant colony optimization for the capacitated minimum spanning tree problem

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A Variable Neighborhood Search for the Multi Depot Vehicle Routing Problem with Time Windows

Polacek, M., Hartl, R. F., Doerner, K. & Reimann, M., Dec 2004, In: Journal of Heuristics. 10, 6, p. 613-627 15 p.

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