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Enabling Technologies and Methods for Sustainable Remanufacturing System

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Deadline for manuscript submissions:
closed (30 September 2023)

Message from the Guest Editors

Dear Colleagues,

With the introduction of Industry 4.0 and the Chinese dual carbon goal, sustainable manufacturing has become the focus of widespread global attention. Remanufacturing is an effective way to achieve energy saving and emission reduction in manufacturing systems, and remanufacturing systems (RS) include many components, such as design for remanufacturing (DfRem), remanufacturing process planning (RPP), logistics and reverse supply chain, etc. However, remanufacturing systems will also consume large amounts of energy and materials, as well as produce significant carbon emissions. Therefore, it is necessary to apply the advanced technologies and methods to optimize and improve the DfRem, remanufacturing process and logistics, so as to improve the sustainability of the remanufacturing system, and this mission can be better achieved through the Internet-of-Things (IoT) and artificial intelligence (AI) for optimization and control in remanufacturing systems. This research topic focuses on the advanced enabling technologies and methods for sustainable remanufacturing system.

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Message from the Editor-in-Chief

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