



Recent Advances in Life Cycle Engineering

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Message from the Guest Editors

Life cycle engineering uses technical and scientific principles to improve the sustainability of products and systems by taking economic, environmental, and social concerns into account in decision making within the life cycle. Solving problems from a life cycle perspective enables researchers, engineers, and managers to innovate in technology, product design, manufacturing, energy, and service systems. Since the concept was introduced in the 1980s, tremendous progress has been made in recent decades. Challenges, however, not only exist in methodologies but also in emerging technologies and changing environments of production and supply chain.

This Special Issue aims to collect both original research and/or reviews that contribute to the development of life cycle engineering methodologies, applications of life cycle engineering in product design, manufacturing, energy systems, product service systems, innovations with state-of-the-art technologies to create a circular economy of products and service systems, as well as education innovations and case studies.





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