



Environmental, Economic and Social Sustainability: A Global Approach to Optimize the Life Cycle of Products and Processes

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Message from the Guest Editors

Dear Colleagues,

The concept of Life Cycle Engineering (LCE) was introduced in order to address emerging concerns about environmental sustainability in engineering.

Other than the technical and environmental aspects, it is necessary to evaluate the economics and social performances, in order to have a comprehensive overview of the product/process sustainability. For this reason, environmental metrics, as Life Cycle Assessment impact/damage categories, economic performance indicators and social parameters, should be considered to guide the decision-making process during design and manufacturing.

Papers exploring novel eco-design and sustainability assessment methodologies, and strongly oriented to the application of life cycle engineering approaches, are invited. Case studies focusing on the evaluation of the three classical pillars of sustainability (environmental, economic and social) by using well-known and innovative assessment methodologies are also very welcome.

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