



Product Eco-Design in the Era of Circular Economy

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Message from the Guest Editors

The design and development of products for daily use is changing due to the new constraints derived by the paradigms of sustainability and circular economy. Designers and engineers are called to rethink the way products are conceived, anticipating life cycle and end of life issues in the early phase of design where the degree of freedom to change the product features are higher and the impacts most effective.

Environmental performance has become an important aspect of design together with the other classical design drivers, such as quality, safety, functionality and ergonomics. Eco-design methodologies need to be effective in daily engineering practices, enhancing circular business models by means of product life cycle extension and effective management of closed-loop, end-of-life strategies.

Papers exploring novel eco-design methodologies, and strongly oriented to circular economy and life cycle engineering, are invited. Case studies focusing on the new paradigm of circular economy or its measurement by means of circular indicators are also welcome.





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