



## Energy Efficiency of Manufacturing Processes and Systems

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submissions:

**closed (1 January 2020)**

### Message from the Guest Editor

The availability and affordability of energy affect the whole life cycle of a product and subsequently the production phase as well. Manufacturing activities are responsible for one third of the global total energy consumption and CO<sub>2</sub> emissions. Thus producing with higher energy efficiency has been the focus of research in recent years and is nowadays considered one of the key decision-making attributes for manufacturing. This Special Issue considers the energy efficiency of both manufacturing processes and systems. Papers are particularly invited in the following areas:

- Methods for the measurement of energy efficiency, including obtaining performance data from older production technologies
- Tools and techniques for the analysis and development of improvements with regards to energy consumption
- Tools and techniques for the modelling and simulation of energy efficiency for both manufacturing processes and systems
- Continuous improvement methodologies and cases
- Case studies on the management of such systems and what practices are necessary to maintain
- Green and lean manufacturing





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## Message from the Editor-in-Chief

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