



## Energy Challenges and Smart Applications in Production Systems

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Deadline for manuscript  
submissions:  
**closed (10 August 2023)**

### Message from the Guest Editors

Dear Colleagues,

Energy consumption and deliveries are currently some of the greatest challenges of civilization. Society is becoming more and more aware of the scarcity of natural resources, the impact of climate change, and the importance of smart solutions for rational use of energy. Energy efficiency in manufacturing cannot be achieved without changes in paradigms and underlying technologies and applications. The role of smart solutions in this area is huge.

The development of Industry 4.0 and artificial intelligence (AI) provides many promises in the field of energy saving. Smart solutions offer manufacturing many benefits (reducing emissions, energy consumption, costs, and better customer service, and others). Industry 4.0 and AI play a key role in the success of smart applications for energy efficiency.

The purpose of this Special Issue is to promote and disseminate new trends and advancements in Industry 4.0 and AI supporting energy efficiency in manufacturing systems, and sustainable energy.





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## Message from the Editor-in-Chief

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