

Special Issue

Modelling Sustainable Engineered Systems

Message from the Guest Editors

The contemporary world is a world of global, large, complex, multi/inter/transdisciplinary socio-technical systems made up of other systems. The challenge is increasing as systems, in general, evolve towards a tailored service base, simultaneously incorporating the dimensions of sustainability, adaptability, resilience and delivery of value to society. Modelling is a universal technique to understand and simplify reality through abstraction. The model-based systems engineering (MBSE) paradigm intends to create a shared and coherent vision for the system through a model-based environment (principles, methods, languages, and tools). In this context, the main purpose of this Special Issue is to collect a series of valuable studies highlighting the present-day challenges of complex engineering systems. Research areas may include (but are not limited to) the following:

- Systems engineering/engineered systems;
- Model-based systems engineering;
- Sustainable engineered systems;
- Modelling (modelling approaches and models for industrial engineering);
- SD, DES, ABS paradigms and/or hybrid simulation;
- Decision-support models.

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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