



Surrogate Modeling and Related Methods in Science and Engineering

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Message from the Guest Editor

Surrogate modeling (SM) has emerged as a fundamental tool in pure and applied research, through the development of computationally tractable and reasonably accurate models that are able to replace the original time-consuming physical models. Surrogate models are currently employed for design automation, parametric studies, design space exploration, optimization, and sensitivity analysis in different fields of applied physics and engineering. The purpose of this Special Issue is to gather a collection of articles reflecting the latest developments in surrogate modeling and related fields of applications.

Keywords

- Design of experiments
- Data fit surrogate models
- Reduced-order surrogate models
- Hybrid surrogate models
- Surrogate-based optimization
- Multifidelity surrogate models
- Forward and inverse surrogate modeling.





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Message from the Editor-in-Chief

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