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Architectural Complexity of Systems Engineering

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submissions:

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Message from the Guest Editor

Dear Colleagues,

The focus of this Special Issue is the description of foundational characteristics of complexity that transcend application domains analogous to the seminal work of Von Bertalanffy on systems theory. The objective is to provide insights into the architecture of complexity in systems engineering and enable movement beyond heuristics and general strategies for understanding and dealing with complexity in systems engineering. Toward this end, this Special Issue invites articles presenting, among other things, the following:

- Complexity metrics and measures, both theoretical and applied;
- Comparative analyses of more vs. less complex systems;
- Case studies of complex systems and systems complexity;
- Literature review of complexity in systems engineering;
- Manifested characteristics of complexity in systems, both beneficial and detrimental;
- The necessity of complexity, or alternatives to complex systems with implications;
- Applications of AI/ML in the study of systems complexity.



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Special Issue



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Message from the Editor-in-Chief

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