Simulation Modeling Theory and Practice: Pushing the Boundaries

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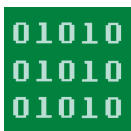
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Message from the Guest Editors

In recent decades, modeling and simulation has evolved to the point where it is now a recognized discipline and provides infrastructure for disciplines spanning the whole spectrum of human knowledge, intellectual and practical effects. The term "modeling and simulation" grants equal stress on both modeling and simulation aspects of this discipline. The Modeling and Simulation Body of Knowledge (M&S BoK) is a living work in process with the goal of establishing a kernel of topics that categorically characterize the discipline of modeling and simulation as it drives the progress of multifold disciplines in science, engineering, and the arts. The essence of M&S is the creation of conceptual representations of entities, relations, and processes describing a problem domain with the goal of making them computationally executable artifacts. Such simulation models can be used to perform experiments or to gain experience; both dimensions provide a multitude of possibilities. Potential authors are urged to contact one of the SI editors indicating the general theme to be addressed and to request related material from the prepublication of the M&S BoK.

Special Issue

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Message from the Editor-in-Chief

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