

Model-Oriented Systems Engineering Science

From SEBoK

Model-Oriented Systems Engineering Science

Hybertson, D.W. 2009. *Model-Oriented Systems Engineering Science: A Unifying Framework for Traditional and Complex Systems*. Boston, MA, USA: Auerbach Publications. ISBN 978-1-4200-7251-8.

Usage

This source is considered a primary reference for the following articles:

- Service Systems Engineering Stages
- Principles of Systems Thinking
- Patterns of Systems Thinking

Annotation

This text presents methodologies that utilize systems science (SS) to support the transition, identifying and using commonalities between complex systems and other sciences, such as biology, sociology, cognitive science, etc. The text introduces the model-oriented systems engineering science (MOSES) concept as an organized system that selects appropriate information from multiple disciplines and unifies it into a coherent framework resulting in a seamless approach to develop an enhanced and unified SE.

SEBoK v. 2.1, released 31 October 2019

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- This page was last edited on 24 October 2019, at 13:00.

