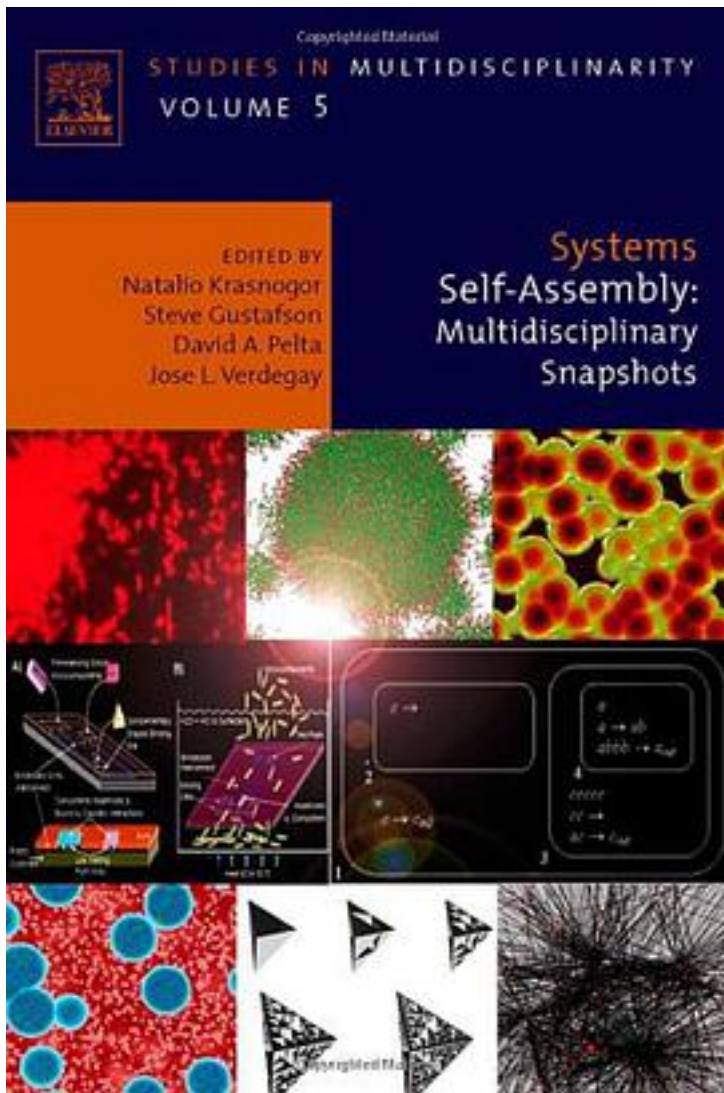


Systems Self-Assembly, Volume 5



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Self-assembly is a process that creates complex hierarchical structures through the statistical exploration of alternative configurations. These processes occur without external intervention. Self-Assembly processes are ubiquitous in nature. Understanding how nature produces self-assembled systems will represent an enormous leap forward in our technological capabilities. Robustness and versatility are some of the most important properties of self-assembling natural systems.

Although systems where self-assembly occurs, or which are created by a self-assembling process, are remarkably varied, some common principles are starting to be discerned. The unifying thread throughout the book is the "Computational Nature of Self-Assembling Systems."

*The only book to showcases state-of-the-art self-assembly systems that arise from the computational, biological, chemical, physical and engineering disciplines

*Coherent, integrated view of both book practice examples and new trends with a clearly presented computational flavor

*Written by world experts in each area

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