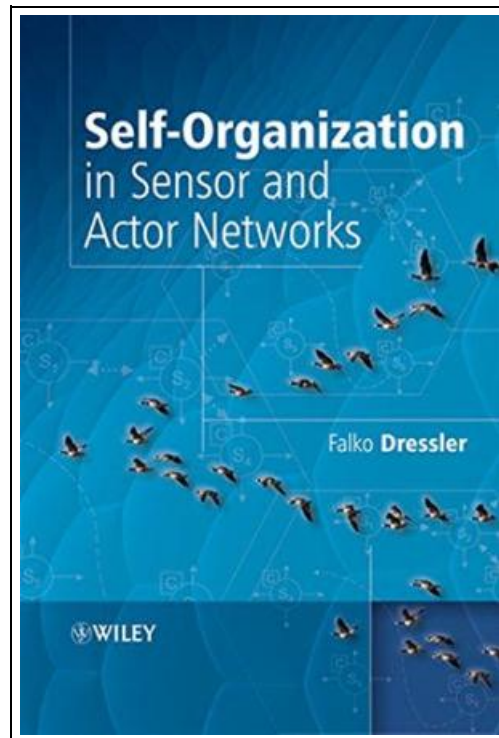# Self Organization in Sensor and Actor Networks (Hardback)



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## Reviews

*Extensive manual! Its such a great read. It really is loaded with knowledge and wisdom You wont really feel monotony at at any time of your time (that's what catalogs are for regarding if you ask me).*
*(Myrl Hintz)*

# SELF ORGANIZATION IN SENSOR AND ACTOR NETWORKS (HARDBACK)



To get **Self Organization in Sensor and Actor Networks (Hardback)** eBook, you should access the web link under and save the document or have accessibility to additional information that are highly relevant to SELF ORGANIZATION IN SENSOR AND ACTOR NETWORKS (HARDBACK) ebook.

John Wiley and Sons Ltd, United States, 2008. Hardback. Book Condition: New. 1. Auflage. 250 x 172 mm. Language: English . Brand New Book. Self-Organization in Sensor and Actor Networks explores self-organization mechanisms and methodologies concerning the efficient coordination between intercommunicating autonomous systems.Self-organization is often referred to as the multitude of algorithms and methods that organise the global behaviour of a system based on inter-system communication. Studies of self-organization in natural systems first took off in the 1960s. In technology, such approaches have become a hot research topic over the last 4-5 years with emphasis upon management and control in communication networks, and especially in resource-constrained sensor and actor networks. In the area of ad hoc networks new solutions have been discovered that imitate the properties of self-organization. Some algorithms for on-demand communication and coordination, including data-centric networking, are well-known examples. Key features include: * Detailed treatment of self-organization, mobile sensor and actor networks, coordination between autonomous systems, and bio-inspired networking. * Overview of the basic methodologies for self-organization, a comparison to central and hierarchical control, and classification of algorithms and techniques in sensor and actor networks. * Explanation of medium access control, ad hoc routing, data-centric networking, synchronization, and task allocation issues. * Introduction to swarm intelligence, artificial immune system, molecular information exchange. * Numerous examples and application scenarios to illustrate the theory. Self-Organization in Sensor and Actor Networks will prove essential reading for students of computer science and related fields; researchers working in the area of massively distributed systems, sensor networks, self-organization, and bio-inspired networking will also find this reference useful.

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