



## **Nonlinear Science and Warfare: Chaos, complexity and the U.S. military in the information age (Routledge Studies in Conflict, Security and Technology)**

By Sean T. Lawson

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This book examines the United States military's use of concepts from non-linear science, such as chaos and complexity theory, in its efforts to theorise information-age warfare.

Over the past three decades, the US defence community has shown an increasing interest in learning lessons from the non-linear sciences. Theories, strategies, and doctrines of warfare that have guided the conduct of US forces in recent conflicts have been substantially influenced by ideas borrowed from non-linear science, including manoeuvre warfare, network-centric warfare, and counterinsurgency.

This book accounts for the uses that the US military has made of non-linear science by examining the long-standing historical relationship between the natural sciences and Western militaries. It identifies concepts and metaphors borrowed from natural science as a key formative factor behind the development of military theory, strategy, and doctrine. In doing so, *Nonlinear Science and Warfare* not only improves our understanding of the relationship between military professional identity, professional military education, and changes in technology, but also provides important insights into the evolving nature of conflict in the Information Age.

This book will be of much interest to students of strategic studies, military science, US foreign policy, technology and war, and security studies.

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**Nonlinear Science and Warfare: Chaos, complexity and the U.S. military in the information age (Routledge Studies in Conflict, Security and Technology) By Sean T. Lawson Bibliography**

- Sales Rank: #4632755 in Books
- Published on: 2013-11-21
- Original language: English
- Number of items: 1
- Dimensions: 9.30" h x 1.10" w x 6.20" l, .0 pounds
- Binding: Hardcover
- 200 pages

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About the Author

**Sean T. Lawson** is Assistant Professor in the Department of Communication at the University of Utah, and has a PhD in Science and Technology Studies.

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