



1st ed. 2016, IX, 210 p. 73 illus., 1 illus. in color.

### Printed book

Hardcover

109,99 € | £99.99 | \$139.99

<sup>[1]</sup>117,69 € (D) | 120,99 € (A) | CHF 130,00

Softcover

79,99 € | £69.99 | \$99.99

<sup>[1]</sup>85,59 € (D) | 87,99 € (A) | CHF 94,50

### eBook

67,40 € | £55.99 | \$79.99

<sup>[2]</sup>67,40 € (D) | 67,40 € (A) | CHF 75,50

Available from your library or [springer.com/shop](http://springer.com/shop)

### MyCopy <sup>[3]</sup>

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](http://springer.com/mycopy)

Yoshiteru Nakamori (Ed.)

# Knowledge Synthesis

Western and Eastern Cultural Perspectives

Series: Translational Systems Sciences

- Has a central theme of rational approaches to systemic knowledge synthesis to cope with contemporary complex problems
- Emphasizes the importance of utilizing intuition or tacit knowledge, whereas other books usually try to solve problems rationally, rejecting subjectivity
- Focuses on Eastern problem-solving methods to integrate a systems approach and knowledge management

This book provides readers the idea of systemically synthesizing various kind of knowledge, which needs to combine analytical thinking and synthetic thinking. Systems science is expected to help in solving contemporary complex problems, utilizing interdisciplinary knowledge effectively and combining analytical thinking and synthetic thinking efficiently. However, traditional systems science has been divided into two schools: one seeks a systematic procedure to give a correct objective answer; the other develops an emergent, systemic process so that the user can continue exploratory learning. It is not an exaggeration to say that analytical thinking and synthetic thinking have been developed independently, in different schools. This book integrates approaches developed in these two schools, using ideas in knowledge science that have been emerging recently under the influence of Eastern thinking. It emphasizes the importance of utilizing intuition in systems approaches, whereas other books usually try to solve problems rationally and objectively, rejecting subjectivity. This book never denies rationality and objectivity; however, complex problems of today do not always yield to complete analysis. The novelty of this present volume is that it takes in the ideas of synthetic thinking in knowledge science to develop systems science further. The chapter contributors, who are experienced systems scientists with a profound understanding of knowledge management, discuss knowledge synthesis from the Western and Eastern cultural perspectives. The book introduces a theory on systemic knowledge synthesis in an odd chapter and then presents an application of the theory in the next chapter in order to contribute to developing translational systems science.

Order online at [springer.com](http://springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com). / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

