

Springer

1st
edition

2009, XVII, 860 p.

Printed book

Softcover

Printed book

Softcover

ISBN 978-3-642-04440-3

\$ 189,00

Available

Discount group

Professional Books (2)

Product category

Proceedings

Series

Lecture Notes in Artificial Intelligence

Computer Science : Artificial Intelligence

Kowalczyk, Ryszard (Ed.)

Computational Collective Intelligence. Semantic Web, Social Networks and Multiagent Systems

First International Conference, ICCCI 2009, Wroclaw, Poland, October 5-7, 2009, Proceedings

Computational collective intelligence (CCI) is most often understood as a subfield of artificial intelligence (AI) dealing with soft computing methods that enable group decisions to be made or knowledge to be processed among autonomous units acting in distributed environments. The needs for CCI techniques and tools have grown significantly recently as many information systems work in distributed environments and use distributed resources. Web-based systems, social networks and multi-agent systems very often need these tools for working out consistent knowledge states, resolving conflicts and making decisions. Therefore, CCI is of great importance for today's and future distributed systems. Methodological, theoretical and practical aspects of computational collective intelligence, such as group decision making, collective action coordination, and knowledge integration, are considered as the form of intelligence that emerges from the collaboration and competition of many individuals (artificial and/or natural). The application of multiple computational intelligence technologies such as fuzzy systems, evolutionary computation, neural systems, consensus theory, etc., can support human and other collective intelligence and create new forms of CCI in natural and/or artificial systems.

Order online at springer.com/booksellers**Springer Nature Customer Service Center LLC**

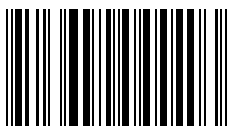
233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

customerservice@springernature.com

ISBN 978-3-642-04440-3 / BIC: UYQ / SPRINGER NATURE: SCI21000

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**