

Springer

1st  
edition

2010, X, 384 p. 131 illus.

**Printed book**

Hardcover

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Hardcover

ISBN 978-3-642-12089-3

£ 169,99 | CHF 230,00 | 194,99 € |  
214,49 € (A) | 208,64 € (D)

Available

**Discount group**

Science (SC)

**Product category**

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ISBN 978-3-642-26277-7

**Computer Science : Artificial Intelligence**

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# Advances in Intelligent Information and Database Systems

- Latest research in Intelligent Information and Database Systems
- Edited outcome of the 2nd Asian Conference on Intelligent Information and Database Systems held in Hue City, Vietnam March 24-26 2010
- Includes contributions of leading experts in the field

Intelligent information and database systems are two closely related and well-established subfields of modern computer science. They focus on the integration of artificial intelligence and classic database technologies in order to create the class of next generation information systems. The major target of this new generation of systems is to provide end-users with intelligent behavior: simple and/or advanced learning, problem solving, uncertain and certain reasoning, self-organization, cooperation, etc. Such intelligent abilities are implemented in classic information systems to make them autonomous and user oriented, in particular when advanced problems of multimedia information and knowledge discovery, access, retrieval and manipulation are to be solved in the context of large, distributed and heterogeneous environments. It means that intelligent knowledge-based information and database systems are used to solve basic problems of large collections management, carry out knowledge discovery from large data collections, reason about information under uncertain conditions, support users in their formulation of complex queries etc. Topics discussed in this volume include but are not limited to the foundations and principles of data, information, and knowledge models, methodologies for intelligent information and database systems analysis, design, implementation, validation, maintenance and evolution.

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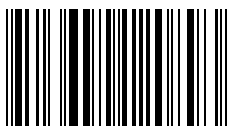
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ISBN 978-3-642-12089-3 / BIC: UYQ / SPRINGER NATURE: SCI21000

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