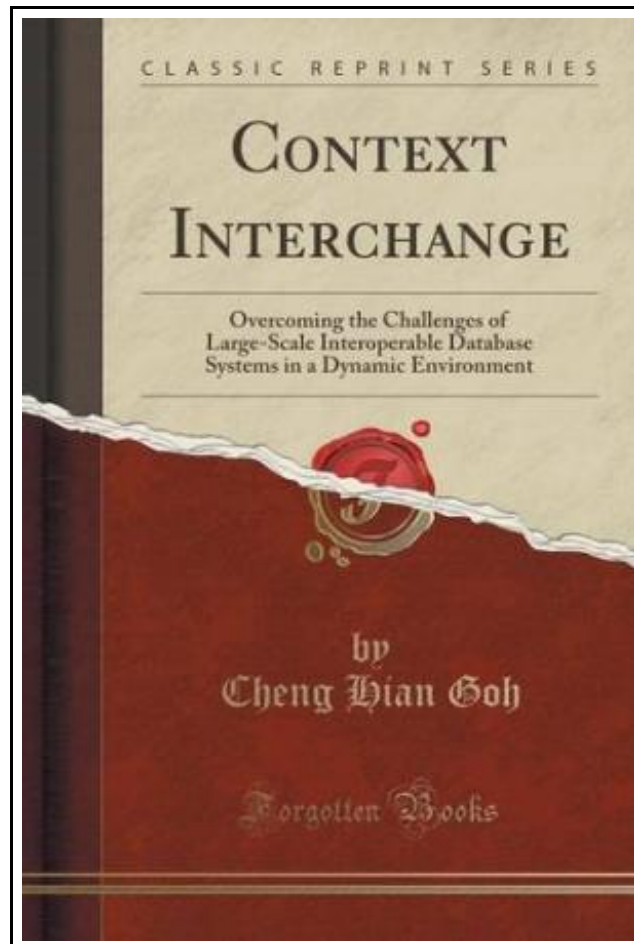


## Context Interchange: Overcoming the Challenges of Large-Scale Interoperable Database Systems in a Dynamic Environment (Classic Reprint) (Paperback)



Filesize: 1020.93 KB

### ***Reviews***

*A very awesome ebook with perfect and lucid information. It is really simplified but unexpected situations in the 50 % of your pdf. I am pleased to let you know that here is the greatest book i have study inside my very own lifestyle and can be he greatest ebook for at any time.*

***(Noah Bruen)***

## CONTEXT INTERCHANGE: OVERCOMING THE CHALLENGES OF LARGE-SCALE INTEROPERABLE DATABASE SYSTEMS IN A DYNAMIC ENVIRONMENT (CLASSIC REPRINT) (PAPERBACK)

DOWNLOAD



Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from Context Interchange: Overcoming the Challenges of Large-Scale Interoperable Database Systems in a Dynamic Environment Research in database interoperability has primarily focused on circumventing schematic and semantic incompatibility arising from autonomy of the underlying databases. We argue that, while existing integration strategies might provide satisfactory support for small or static systems, their inadequacies rapidly become evident in large-scale interoperable database systems operating in a dynamic environment. The frequent entry and exit of heterogeneous interoperating agents renders frozen interfaces (e.g., shared schemas) impractical and places an ever increasing burden on the system to accord more flexibility to heterogeneous users. User heterogeneity mandates that disparate users conceptual models and preferences must be accommodated, and the emergence of large-scale networks suggests that the integration strategy must be scalable and capable of dealing with evolving semantics. As an alternative to the integration approaches presented in the literature, we propose a strategy based on the notion of context interchange. In the context interchange framework, assumptions underlying the interpretations attributed to data are explicitly represented in the form of data contexts with respect to a shared ontology. Data exchange in this framework is accompanied by context mediation whereby data originating from multiple source contexts is automatically transformed to comply with the receiver context. The focus on data contexts giving rise to data heterogeneity (as opposed to focusing on data conflicts exclusively) has a number of advantages over classical integration approaches, providing interoperating agents with greater flexibility as well as a framework for graceful evolution and efficient implementation of large-scale interoperable database systems Keywords: context interchange, heterogeneous databases, semantic interoperability, shared ontology. About the Publisher Forgotten Books publishes hundreds of thousands of rare...



[Read Context Interchange: Overcoming the Challenges of Large-Scale Interoperable Database Systems in a Dynamic Environment \(Classic Reprint\) \(Paperback\) Online](#)



[Download PDF Context Interchange: Overcoming the Challenges of Large-Scale Interoperable Database Systems in a Dynamic Environment \(Classic Reprint\) \(Paperback\)](#)

## See Also



### **History of the Town of Sutton Massachusetts from 1704 to 1876 (Paperback)**

Createspace, United States, 2015. Paperback. Book Condition: New. annotated edition. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This version of the History of the Town of Sutton Massachusetts...

[Read eBook »](#)



### **Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: ( Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures) (Paperback)**

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Getting Your FREE Bonus Download this book, read it to the end and...

[Read eBook »](#)



### **Fart Book African Bean Fart Adventures in the Jungle: Short Stories with Moral (Paperback)**

Createspace, United States, 2013. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Black White Illustration Version! BONUS - Includes FREE Dog Fart Audio Book for...

[Read eBook »](#)



### **The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)**

Strength Through Communications, United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The Voyagers Series is a new multi-media, multi-disciplinary approach to teaching...

[Read eBook »](#)



### **Talking Digital: A Parent s Guide for Teaching Kids to Share Smart and Stay Safe Online (Paperback)**

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book. It is time for the digital talk. Today, kids are growing up in a wired world. Their...

[Read eBook »](#)

**Dracula Investigates the Mummy s Purse (Paperback)**

Createspace, United States, 2014. Paperback. Book Condition: New. Andy Bruce (illustrator). 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Count Dracula the greatest detective in Transylvania must face his

[Download PDF »](#)

**Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook (Paperback)**

Createspace, United States, 2010. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.From a certified teacher and founder of an online tutoring website-a simple and

[Download PDF »](#)

**Tales of Knights for Kids: Eight Short Fairy Stories about Knights for Children (Paperback)**

Createspace, United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Eight short stories about knights are selected from several books of fairy tales

[Download PDF »](#)

**Valley Forge: The History and Legacy of the Most Famous Military Camp of the Revolutionary War (Paperback)**

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Includes pictures \*Includes accounts of Valley Forge written by Washington and other generals

[Download PDF »](#)

**The Voyagers Series - Africa: Book 2 (Paperback)**

Voyagers Series, Inc., United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The Voyagers Series is a new multi-media, multi-disciplinary approach to teaching

[Download PDF »](#)