

Big Data Computing

Editor/Affiliation

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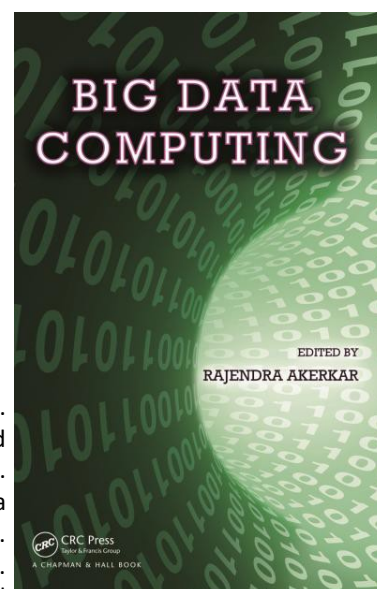
To tackle the challenges of Big Data, novel approaches and tools have emerged. Moreover, the technology required for big-data computing is developing at a satisfactory rate due to market forces and technological evolution. This book presents a mix of theory and industry cases that discuss the technical and practical issues related to Big Data in intelligent information management. It emphasizes the adoption and diffusion of Big Data tools and technologies in real practical applications. In addition, the book balances between academic and industry contributions.

Key Features

- Includes contributions from top-level experts active in this area
- Introduces different issues more comprehensively with a single point coverage of advanced and timely topics
- Includes case studies based on real-world examples exploring thorough and cohesive overviews of Big Data Discipline
- Elaborates key ideas in the field for that particular topic, and future research directions

Selected Contents

INTRODUCTION. Towards Evolving Knowledge Ecosystems for Big Data Understanding. Taxonomy and Review of Big Data Solutions Navigation. Big Data: Challenges and Opportunities. **SEMANTIC TECHNOLOGY & BIG DATA.** Management of Big Semantic Data. Linked Data in Enterprise Integration. Scalable End-User Access to Big Data. Semantic Data Interoperability: The Key Problem of Big Data. **BIG DATA PROCESSING.** Big Data Exploration. Big Data Processing with MapReduce. Efficient Processing of Stream Data over Persistent Data. **BIG DATA & BUSINESS.** The Economics of Big Data: A Value Perspective on State of the Art and Future Trends. Advanced Data Analytics for Business. **BIG DATA APPLICATIONS.** Big Social Data Analysis. Real-Time Big Data Processing for Domain Experts: An Application to Smart Buildings. Big Data Application: Analyzing Real-Time Electric Meter Data. Scaling of Geographic Space from the Perspective of City and Field Blocks and Using Volunteered Geographic Information. Big Textual Data Analytics and Knowledge Management.



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Catalog no. K16832
November 2013, 575 pp.
ISBN: 978-1-4665-7837-1
\$99.95 / £63.99

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1-800-634-7064 • 1-561-994-0555 • +44 (0) 1235 400 524



CRC Press
Taylor & Francis Group