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Synergistic Interaction of Big Data with Cloud Computing for Industry 4.0

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Book Description

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Book Description

information on the adaptation and implementation of Big Data technologies in various cloud domains and Industry 4.0.

Synergistic Interaction of Big Data with Cloud Computing for Industry 4.0 discusses how to develop adaptive, robust, scalable, and reliable applications that can be used in solutions for day-to-day problems. It focuses on the two frontiers — Big Data and Cloud Computing – and reviews the advantages and consequences of utilizing Cloud Computing to tackle Big Data issues within the manufacturing and production sector as part of Industry 4.0. The book unites some of the top Big Data experts throughout the world who contribute their knowledge and expertise on the different aspects, approaches, and concepts related to new technologies and novel findings. Based on the latest technologies, the book offers case studies and covers the major challenges, issues, and advances in Big Data and Cloud Computing for Industry 4.0.

By exploring the basic and high-level concepts, this book serves as a guide for those in the industry, while also helping beginners and more advanced learners understand both basic and more complex aspects of the synergy between Big Data and Cloud Computing.

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Editor(s)

Biography

Dr. Sheetal S. Zalte-Gaikwad is an assistant professor in Computer Science Department at Shivaji University, Kolhapur, India. She pursued a Bachelor of Computer Science from Pune University, India, in 2002 and a Master of Computer Science from Pune, India, in the year 2004. She earned her Ph.D. in Mobile Adhoc Network at Shivaji University. She has 14 years of teaching experience in computer science. She has published 20+ research papers in reputed international journals and conferences, including IEEE, and it's also available online. She has also authored book chapters with Springer. Her research areas are MANET, VANET, Blockchain Security.

Dr. Indranath Chatterjee is working as a Professor in the Department of Computer Engineering at Tongmyong University, Busan, South Korea. He received his Ph. D. in Computational Neuroscience from the Department of Computer Science, University of Delhi, India. His research areas include Computational Neuroscience, Schizophrenia, Medical Imaging, fMRI, and Machine learning. He has authored and edited 8 books on Computer Science and Neuroscience published by renowned international publishers. He has published numerous research papers in international journals and conferences. He is a recipient of various global awards in neuroscience. He is currently serving as a Chief Section Editor of a few renowned international journals, a member of the Editorial board of various international journals, and an Advisory board member in various "Open-Science" organizations worldwide. He is presently working on several projects for government & non-government organizations as PI/co-PI, related to medical imaging and machine learning for a broader societal impact, collaborating with several universities globally. He is an active professional member of the Association of Computing Machinery (ACM, USA), Organization of Human Brain Mapping (OHBM, USA), Federations of European Neuroscience Society (FENS, Belgium), Association for Clinical Neurology and Mental Health (ACNM, India), The Korean Society of Brain and Neural Science (KSBNS, Korea), and International Neuroinformatics Coordinating Facility (INCF, Sweden).

Dr. Rajanish. K. Kamat is Dean of Computer Science and Technology, Shivaji University, Kolhapur, India. He received both B.Sc. and M.Sc. in Electronics with distinction in 1991 and 1993. Further, he completed his Mphil and Ph.D. in electronics at Goa university. Presently, he is working with the Department of Electronics and Department of Computer Science at Shivaji University, Kolhapur. He has published more than 150+ research papers in reputed international journals, including IEEE, and authored 12 books with Springer, CRC Press, and IGI global USA.

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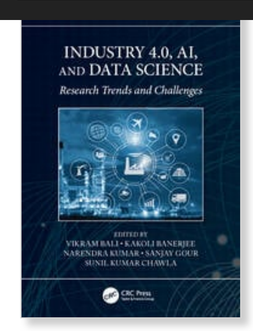

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