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Sam Goundar, *RMIT University*

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Innovations in Computational Intelligence, Big Data Analytics and Internet of Things

Sam Goundar, RMIT University; J. Avanija, Mohan Babu University; Gurram Sunitha, Mohan Babu University; K. Reddy Madhavi, Mohan Babu University

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As sensors spread across almost every industry, the internet of things is going to trigger a massive influx of big data. We delve into where IoT will have the biggest impact and what it means for the future of big data analytics. Internet of Things is changing the face of different sectors such as manufacturing, health-care, business, education etc. by completely redefining the way people, devices, and apps connect and interact with each other in the eco system. From personal fitness and wellness sensors, implantable devices to surgical robots - IoT is bringing in new tools and efficiencies in the ecosystem resulting in more integrated healthcare. Application of computational intelligence techniques is today considered as a key success factor to solve the growing scale and complexity of problems in the field of health care systems, agriculture, e-commerce etc.

The convergence of Computational intelligence, Big Data and IoT provides new opportunities and revolutionize business in huge way. This book will support industry and governmental agencies to facilitate and make sense of myriad connected devices in coming decade. This book offers the recent advancements in Computational Intelligence, IoT and Big Data Analytics.

- Development of models and algorithms for employing IoT based facilities in healthcare, industry, agriculture, e-commerce, manufacturing, business etc.
- Methods for collection, management retrieval and processing of Big Data in various domains.
- Provides taxonomy of challenges, issues and research directions in applications of computational intelligence techniques in different domains

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the Editors.



Enterprise Systems and Technological Convergence Research and Practice

Sam Goundar, RMIT University

2021. Paperback 978-1-64802-341-5 \$52.99. Hardcover 978-1-64802-342-2 \$94.99. eBook 978-1-64802-343-9 \$85.

Enterprise Systems have been used for many years to integrate technology with the management of an organization but rapid technological disruptions are now creating new challenges and opportunities that require urgent consideration. This book reappraises the implementation and management of Enterprise Systems in the digital age and investigates the vital link between business processes, information technology and the Internet for an organization's competitive advantage and success.

This book primarily focuses on the implementation, operation, management and integration of Enterprise Systems with fastemerging disruptive technologies such as blockchains, big data, cryptocurrencies, artificial intelligence, cloud computing, data mining and data analytics. These disruptive technologies are now becoming mainstream and the book proposes several innovations that organizations need to adopt to remain competitive within this rapidly changing landscape. In addition, it examines Enterprise Systems, their components, architecture, and applications and enlightens readers on the benefits and shortcomings of implementing them.

This book contains primary research on organizations, case studies, and benchmarks ERP implementation against international best practice.

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