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Intelligent Systems

Proceedings of ICMIB 2020

Editors: Siba K. Udgata, Srinivas Sethi, Satish N. Srirama

Presents recent research in the field of machine learning and big data

Discusses the outcomes of ICMIB 2020, held in Sarang, India

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About this book

This book features best selected research papers presented at the International Conference on Machine Learning, Internet of Things and Big Data (ICMIB 2020) held at Indira Gandhi Institute of Technology, Sarang, India, during September 2020. It comprises high-quality research work by academicians and industrial experts in the field of machine learning, mobile computing, natural language processing, fuzzy computing, green computing, human-computer interaction, information retrieval, intelligent control, data mining and knowledge discovery, evolutionary computing, IoT and applications in smart environments, smart health, smart city, wireless networks, big data, cloud computing, business intelligence, internet security, pattern recognition, predictive analytics, applications in healthcare, sensor networks and social sensing and statistical analysis of search techniques.

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Editors and Affiliations

School of computer and Information Sciences, University of Hyderabad, Hyderabad, India
Siba K. Udgata

IGIT Sarang, Dhenkanal, India
Srinivas Sethi

Institute of Computer Science, University of Tartu, Tartu, Estonia
Satish N. Srirama

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About the editors

Prof. Siba Kumar Udgata is Professor in Computer and Information Sciences at the University of Hyderabad, India. He has a Ph.D. in Computer Science in the area of mobile computing and wireless communications and worked as United Nations Fellow at UNU/IIST, Macau. His research focus is on wireless communication, mobile computing, intelligent sensors, sensor network algorithms, Internet of Things, and applications. He was Volume Editor and author for several Springer LNAI and AISC International Conference proceedings, books and also Associate Editor and an editorial board member of IOS Press KES Journal and Elsevier AICE International Journal of Graphs and Combinatorics. Prof. Udgata has published more than 100 research papers in reputed international journals and conference proceedings. He has worked as Principal Investigator in many Government of India funded research projects mainly for the development of wireless sensor network applications, network security related applications and application of swarm intelligence techniques in the cognitive radio network domain.

Dr. Srinivas Sethi is Associate Professor and has been actively involved in teaching and research in Computer Science since 1997. He did his Ph.D., in the area of Routing Algorithm in Mobile Ad hoc Network and is also continuing his work in the Wireless Sensor Network, Cognitive Radio Network and Cloud Computing. He is the member of editorial board for different journals and a program committee member for different international conferences/ workshop. Now, he is working as Faculty in the Department of Computer Science Engineering and Application at Indira Gandhi Institute of Technology Sarang, India, and has published more than 50 research papers in international journals and conference proceedings. He completed 3 research projects funded by different funding agencies such as DST, AICTE and DRDO. Now, he is continuing with other 3 projects funded by agency such as AICTE and NPIU.

Dr. Satish Narayana Srirama was a Research Professor and Head of the Mobile & Cloud Lab at the Institute of Computer Science, University of Tartu, Estonia, and a Visiting Professor at the University of Hyderabad, India. Presently he is an Schoof of Computer and Information Sciences, University of Hyderabad, India. He received his Ph.D. in Computer Science from RWTH Aachen University, Germany. His current research focuses on cloud computing, mobile web services, mobile cloud, Internet of Things, fog computing, migrating scientific computing and enterprise applications to the cloud and large-scale data analytics on the cloud. He is an IEEE senior member and Editor of 50-year-old Wiley Software: Practice and Experience and was Associate Editor of IEEE Transactions in Cloud Computing and a program committee member of several international conferences and workshops. Dr. Srirama has co-authored over 150 refereed scientific publications in international conferences and journals. Dr. Srirama has successfully managed several national, international and enterprise collaborative research grants and projects.

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