

Book Chapters

2022

1. Bandyopadhyay S., Thakur S.S., Mandal J.K. (2022), Online Recommendation System Using Human Facial Expression Based Emotion Detection: A Proposed Method. In: Mandal J.K., Buyya R., De D. (eds) Proceedings of International Conference on Advanced Computing Applications. Advances in Intelligent Systems and Computing, vol 1406. Springer, Singapore. https://doi.org/10.1007/978-981-16-5207-3_38

2021

2. Das, S., Mandal, J.K. (2021). Color Image Compressed Sensing Using Modified Stagewise Orthogonal Matching Pursuit. In: Dutta, P., Mandal, J.K., Mukhopadhyay, S. (eds) Computational Intelligence in Communications and Business Analytics. CICBA 2021. Communications in Computer and Information Science, vol 1406. Springer, Cham. https://doi.org/10.1007/978-3-030-75529-4_2
3. Krishan Kundu, Prasun Halder, Jyotsna Kumar Mandal, “Urban Growth Prediction of Kolkata City Using SLEUTH Model”, Proceedings of International Conference on Innovations in Software Architecture and Computational Systems. Studies in Autonomic, Data-driven and Industrial Computing. Springer, Singapore, (2021). https://doi.org/10.1007/978-981-16-4301-9_11
4. Bandyopadhyay S., Thakur S.S., Mandal J.K. (2021), Implementation of Real-Time Virtual Dressing Room Using Microsoft Kinect SDK and Supervised Learning. In: Bhattacharjee D., Kole D.K., Dey N., Basu S., Plewczynski D. (eds) Proceedings of International Conference on Frontiers in Computing and Systems. Advances in Intelligent Systems and Computing, vol 1255. Springer, Singapore. https://doi.org/10.1007/978-981-15-7834-2_2

2020

5. Rajeev Chatterjee, Ranjan Dasgupta, Jyotsna Kumar Mandal(2020), Multi-Controllers Based Subnet in SDN with BRS, ICT for Competitive Strategies, Taylor & Francis Group, CRC Press.
6. Krishan Kundu, Prasun Halder, Jyotsna Kumar Mandal, “Forest Cover Change Analysis in Sundarban Delta Using Remote Sensing Data and GIS”. Intelligent Computing Paradigm: Recent Trends. Studies in Computational Intelligence, Vol. - 784. pp. -85-101, Springer, Singapore. (2020). https://doi.org/10.1007/978-981-13-7334-3_7
Indexed in: SCOPUS, SCImago, Web of Science, DBLP, WTI Frankfurt eG, zbMATH
7. Debarpita Santra, J. K. Mandal, S. K. Basu and Subrata Goswami Design Considerations of a Medical,Expert System for Differential Diagnosis of Low Back Pain (ESLBP), Proceedings of the Global AI Congress 2019, Advances in Intelligent Systems and Computing 1112, https://doi.org/10.1007/978-981-15-2188-1_34
8. Krishan Kundu, Prasun Halder, Jyotsna Kumar Mandal, “Estimation of Sundarban Reserve Forest Using Self-organizing Maps and Remote Sensing Data”, Proceedings of International Conference on Computational Intelligence and Computing. Algorithms for Intelligent Systems. Springer, Singapore, (2022). https://doi.org/10.1007/978-981-16-3368-3_20.
9. Hassan, K L, Mandal, J K, Mondal, S., “A dynamic threshold-based trust-oriented intrusion detection system in MANET”, Proceedings of International Conference on Computational Intelligence and Computing. Algorithms for Intelligent Systems. Springer, Singapore, (2022). https://doi.org/10.1007/978-981-15-21888-1_55
10. Bandyopadhyay S., Thakur S.S., Mandal J.K. (2020) Mining User’s Data Based on Customer’s Rating for Prediction and Recommendation—A Comparative Analysis. In: Mandal J., Bhattacharya K., Majumdar I., Mandal S. (eds) Information, Photonics and Communication. Lecture Notes in Networks and Systems, vol 79. Springer, Singapore. https://doi.org/10.1007/978-981-32-9453-0_12

2019

11. Krishan Kundu, Prasun Halder, “Geomorphological Changes in Sundarbans Delta Using GIS and Remote Sensing Data”, Computational Intelligence, Communications, and Business Analytics. CICBA 2018. Communications in Computer and Information Science, Vol. - 1031. Springer, Singapore, (2019). https://doi.org/10.1007/978-981-13-8581-0_4.Indexed in: Scopus, SCImago, DBLP, Google Scholar, EI-Compendex, Mathematical Reviews.
12. Bandyopadhyay S., Thakur S.S., Mandal J.K. (2019) Product Recommendation for E-Commerce Data Using Association Rule and Apriori Algorithm. In: Chattopadhyay S., Roy T., Sengupta S., Berger-Vachon C. (eds) Modelling and Simulation in Science, Technology and Engineering Mathematics. MS-17 2017. Advances in Intelligent Systems and Computing, vol 749. Springer, Cham. https://doi.org/10.1007/978-3-319-74808-5_51
13. Subro Santi Ranjan Thakur, Soma Bandyopadhyay and Jyotsna Kumar Mandal, Product Prediction and Recommendation in Sustainable E-Commerce Using Association Rule Mining and K-Means Clustering: A Novel Approach, Advanced Multi-Criteria Decision Making for Addressing Complex Sustainability Issues, DOI: 10.4018/978-1-5225-8579-4.ch012(2019)

2018

14. Bandyopadhyay S., Thakur S.S., Mandal J.K. (2018) A Novel Approach for Product Prediction Using Artificial Neural Networks. In: Mandal J., Sinha D. (eds) *Social Transformation – Digital Way*. CSI 2018. Communications in Computer and Information Science, vol 836. Springer, Singapore. https://doi.org/10.1007/978-981-13-1343-1_56

2016

15. Somnath Mukhopadhyay, J. K. Mandal and Tandra Pal (2016). Variable length PSO based Image Clustering for Image Denoising, *Handbook of Handbook of Research on Natural Computing for Optimization Problems*, Hershey, Pennsylvania (USA): Information Science Reference (IGI Global) (2016).

2015

16. Sarkar, A., & Mandal, J. K. (2015). Particle Swarm Optimization based Session Key Generation for Wireless Communication (PSOSKKG). In A. Bhattacharyya, S., & B. Dutta, P. (Eds.), *Handbook of Research on Swarm Intelligence in Engineering*, chapter 20, 701 E. Chocolate Ave., Hershey, Pennsylvania (USA): IGI GLOBAL. (Accepted). Indexed by: SCOPUS, Thomson Reuters, DBLP Computer Science Bibliography, ERIC - Education Resources Information Center, and ACM Digital Library, Cross Ref., Compendex, PsycINFO, INSPEC, Cabell's Directories, Google Scholar etc. (2015).

2014

17. Parthajit Roy, Swati Adhikari, J. K. Mandal, A Self-Organizing Map based Spectral Clustering on Shortest Path of a Graph, Book Chapter, in *Hybrid Intelligence for Image Analysis and understanding*, John Wiley Publication, ISBN: 9781-119-24292-5(2014).

2013

18. Mandal, J. K., & Mukhopadhyay, S. (2013). Adaptive Median Filtering Based on Unsupervised Classification of Pixels. *Handbook of Research on Computational Intelligence for Engineering, Science, and Business* (pp. 273-296). Hershey, Pennsylvania (USA): Information Science Reference (IGI Global) (2013).
19. Mandal, J. K., & Mukhopadhyay, S. (2013). Adaptive Median Filtering Based on Unsupervised Classification of Pixels. In S. Bhattacharyya, & P. Dutta (Eds.) *Handbook of Research on Computational Intelligence for Engineering, Science, and Business* (pp. 273-296). Hershey, Pennsylvania (USA): Information Science Reference (IGI Global) (2013).