

## **PUBLICATIONS**

### **Journal Papers (Indexed in SCI/SCIE):**

1. **Ashish Kumar Maurya**, Kashish Modi, Vinay Kumar, Nenavath Srinivas Naik, Anil Kumar Tripathi, "Energy-aware scheduling using slack reclamation for cluster systems," Cluster Computing, Springer, 2019. [Available as Online First Article] [ISSN: 1386-7857, E-ISSN: 1573-7543]  
<https://doi.org/10.1007/s10586-019-02965-7>
2. **Ashish Kumar Maurya**, and Anil Kumar Tripathi, "An Edge Priority-based Clustering Algorithm for Multiprocessor Environments," Concurrency and Computation: Practice and Experience, Wiley, Vol. 31, No. 11, e5060, 2019. [ISSN: 1532-0626, E-ISSN: 1532-0634]  
<https://doi.org/10.1002/cpe.5060>
3. **Ashish Kumar Maurya**, and Anil Kumar Tripathi, "ECP: a novel clustering-based technique to schedule precedence constrained tasks on multiprocessor computing systems," Computing (Vienna/ New York), Springer, Vol. 101, No. 8, 1015-1039, 2019. [ISSN: 0010-485X, E-ISSN: 1436-5057]  
<https://doi.org/10.1007/s00607-018-0636-3>
4. **Ashish Kumar Maurya**, and Anil Kumar Tripathi, "On benchmarking task scheduling algorithms for heterogeneous computing systems," The Journal of Supercomputing, Springer US, Vol. 74, No. 7, pp. 3039-3070, 2018. [ISSN: 0920-8542, E-ISSN: 1573-0484]  
<https://doi.org/10.1007/s11227-018-2355-0>
5. Vinay Kumar, Lalit Kumar Singh, Pooja Singh, Karm Veer Singh, **Ashish Kumar Maurya**, and Anil Kumar Tripathi, "Parameter Estimation for Quantitative Dependability Analysis of Safety-Critical Control Systems of NPP," IEEE Transactions on Nuclear Science, Vol. 65, No. 5, pp. 1080-1090, 2018. [ISSN: 0018-9499, E-ISSN: 1558-1578]  
<https://doi.org/10.1109/TNS.2018.2827106>
6. Dharmendra Prasad Mahato, Ravi Shankar Singh, Anil Kumar Tripathi and **Ashish Kumar Maurya**, "On scheduling transactions in a grid processing system considering load through Ant Colony Optimization," Applied Soft Computing, Elsevier Netherland, Vol. 61, pp. 875-891, December 2017. [ISSN: 1568-4946, E-ISSN: 1872-9681]  
<https://doi.org/10.1016/j.asoc.2017.08.047>

## **International Conferences:**

1. Dipty Tripathi, **Ashish Kumar Maurya**, Amrita Chaturvedi, and Anil Kumar Tripathi, "A Study of Security Modeling Techniques for Smart Systems," International Conference on Machine Learning, Big Data, Cloud and Parallel Computing(Com-IT-Con), Faridabad, Haryana, India, February 14-16, 2019. [ISBN: 978-1-7281-0211-5]
2. **Ashish Kumar Maurya**, Dipty Tripathi, Amit Biswas and Anil Kumar Tripathi, "Design Issues in Distributed Software," 5 th International Conference on Parallel, Distributed and Grid Computing (PDGC), pp. 563-567, Solan, India, December 20-22, 2018. [ISBN: 978-1-5386-6026-3]
3. **Ashish Kumar Maurya**, and Anil Kumar Tripathi, "An Energy Aware Edge Priority-based Scheduling Algorithm for Multiprocessor Environments," In Proceedings of the 24th International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'18), pp. 42-46, Las Vegas, Nevada, USA, July 30 - August 2, 2018. [ERA B ranked] [ISBN: 1-60132-487-1]
4. **Ashish Kumar Maurya**, and Anil Kumar Tripathi. "Deadline-Constrained Algorithms for Scheduling of Bag-of-Tasks and Workflows in Cloud Computing Environments." In Proceedings of the Second International Conference on High Performance Compilation, Computing and Communications 2018, (HP3C-2018), pp. 6-10, Hong Kong, March 15-17, 2018. [ISBN: 978-1-4503-6337-2]
5. **Ashish Kumar Maurya**, and Anil Kumar Tripathi. "Performance Comparison of HEFT, Lookahead, CEFT and PEFT Scheduling Algorithms for Heterogeneous Computing Systems." In Proceedings of the Seventh International Conference on Computer and Communication Technology 2017, (ICCT'17), pp. 128-132, Allahabad, India, November 24-26, 2017. [ISBN: 978-1-4503-5324-3]
6. Satya Prakash, **Ashish Kumar Maurya**, and Anil Kumar Tripathi, "Energy Efficient Scheduling of Independent Tasks on Multicore Processors with Software Controlled Dynamic Voltage Scaling", In the Proceedings of the 23rd International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'17), pp. 179-183, Las Vegas, Nevada, USA, July 17-20, 2017. [ERA B ranked] [ISBN No.: 1-60132-466-9]
7. Dharmendra Prasad Mahato, **Ashish Kumar Maurya**, Anil Kumar Tripathi, and Ravi Shankar Singh, "Dynamic and Adaptive Load Balancing in Transaction Oriented Grid Service," In the Proceedings of the 2nd International Conference on Green High Performance Computing (ICGHPC 2016), Tamilnadu, India, pp. 1-5, IEEE, February 26-27, 2016. [ISBN: 978-1-4673-6615-1]
8. **Ashish K. Maurya**, Dinesh Singh, Ajeet Kumar, and Ritesh Maurya, "Random waypoint mobility model based performance estimation of On-Demand routing protocols in MANET for

- CBR applications," In International Conference on Computing for Sustainable Global Development (INDIACom), BVICAM, New Delhi, India, pp. 835-839, IEEE, March 5-7, 2014. [ISBN: 978-93-80544-12-0]
9. Ritesh Maurya, Surya Kant Singh, **Ashish K. Maurya**, and Ajeet Kumar, "GLCM and Multi Class Support vector machine based automated skin cancer classification," In International Conference on Computing for Sustainable Global Development (INDIACom), BVICAM, New Delhi, India, pp. 444-447. IEEE, March 5-7, 2014. [ISBN: 978-93-80544-12-0]
  10. Priyanshu and **Ashish K. Maurya**, "Impact of node density on the performance of GSR & TORA routing protocols," In the Proceedings of the 5th International Conference on Computer and Communication Technology (ICCCT 2014), MNNIT Allahabad, India, pp. 251-255, IEEE, September 26-28, 2014. [ISBN: 978-1-4799-6758-2]
  11. Mohd. Shoaib, and **Ashish K. Maurya**, "Comparative Study of Different Web Mining Algorithms to Discover Knowledge on the Web," In Proceedings of Elsevier Second International Conference on Emerging Research in Computing, Information, Communication and Application (ERCICA-2014), vol. 3, Bangalore, India, pp. 648-654, Elsevier, August 1-2, 2014. [ISBN: 978-9-3510-7263-8]
  12. Mohd. Shoaib, and **Ashish K. Maurya**, "URL ordering based performance evaluation of Web crawler," In International Conference on Advances in Engineering and Technology Research (ICAETR), Unnao, India, pp.1-7, IEEE, August 1-2, 2014. [ISBN: 978-1-4799-6393-5]
  13. Avadh Kishor Singh, Ajeet Kumar, and **Ashish K. Maurya**, "Association rule mining for web usage data to improve websites," In International Conference on Advances in Engineering and Technology Research (ICAETR), Unnao, India, pp. 1-6, IEEE, August 1-2, 2014. [ISBN: 978-1-4799-6393-5]
  14. Avadh Kishor Singh, Ajeet Kumar, and **Ashish K. Maurya**, "An empirical analysis and comparison of Apriori and FP-growth algorithm for frequent pattern mining," In International Conference on Advanced Communication Control and Computing Technologies (ICACCCT), Tamilnadu, India, pp. 1599-1602, IEEE, May 8-10, 2014. [ISBN: 978-1-4799-3914-5]
  15. Dinesh Singh, **Ashish K. Maurya**, and Anil K. Sarje, "Comparative performance analysis of LANMAR, LAR1, DYMO and ZRP routing protocols in MANET using Random Waypoint Mobility Model," In 3rd International Conference on Electronics Computer Technology (ICECT), Kanyakumari, India, Vol. 6, pp. 62-66, IEEE, April 8-10, 2011. [ISBN: 978-1-4244-8679-3]