

# List of Projects in Cloudsim

## S-Logix

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1. Online Inter-Datacenter Service Migrations, IEEE Transactions on Cloud Computing, March 2017 [Java/Cloudsim]
2. STAR: SLA-aware Autonomic Management of Cloud Resources, IEEE Transactions on Cloud Computing, January 2017 [Java/Cloudsim]
3. Virtual Machine Migration Planning in Software-Defined Networks, IEEE Transactions on Cloud Computing, May 2017 [Java/Cloudsim]
4. Multimedia Processing Pricing Strategy in GPU-accelerated Cloud Computing, IEEE Transactions on Cloud Computing, February 2017 [Java/Cloudsim]
5. Mobile Cloud-Based Big Healthcare Data Processing in Smart Cities, IEEE Access, May 2017 [Java/Cloudsim]
6. Cost Optimization for Dynamic Replication and Migration of Data in Cloud Data Centers, IEEE Transactions on Cloud Computing, January 2017 [Java/Cloudsim]
7. Combinational Auction Based Service Provider Selection in Mobile Edge Computing Networks, IEEE Access, July 2017 [Java/Cloudsim]
8. Energy-Efficient Virtual Resource Dynamic Integration Method in Cloud Computing, IEEE Access, June 2017 [Java/Cloudsim]
9. Optimal Load Distribution for the Detection of VM-based DDoS Attacks in the Cloud, IEEE Transactions on Services Computing, April 2017 [Java/Cloudsim]
10. Deadline Flow Scheduling in Datacenters with Time-Varying Bandwidth Allocations, IEEE Transactions on Services Computing, May 2017 [Java/Cloudsim]
11. Availability-aware Virtual Cluster Allocation in Bandwidth-Constrained Datacenters, IEEE Transactions on Services Computing, April 2017 [Java/Cloudsim]
12. Application-Aware Big Data Deduplication in Cloud Environment, IEEE Transactions on Cloud Computing, May 2017 [Java/Cloudsim]

13. Reliable Virtual Machine Placement and Routing in Clouds, IEEE Transactions on Parallel and Distributed Systems, April 2017 [Java/CloudSim]
14. Cluster-Aware Virtual Machine Collaborative Migration in Media Cloud, IEEE Transactions on Parallel and Distributed Systems, April 2017 [Java/Cloudsim]
15. Scientific Workflow Mining in Clouds, IEEE Transactions on Parallel and Distributed Systems, April 2017 [Java/CloudSim]
16. Holistic Virtual Machine Scheduling in Cloud Datacenters towards Minimizing Total Energy, IEEE Transactions on Parallel and Distributed Systems, March 2017 [Java/CloudSim]
17. Combinational Auction Based Service Provider Selection in Mobile Edge Computing Networks, IEEE Access, July 2017 [Java/CloudSim]
18. Mobile Cloud-Based Big Healthcare Data Processing in Smart Cities, IEEE Access, May 2017 [Java/CloudSim]
19. Virtual Machine Migration Planning in Software-Defined Networks, IEEE Transactions on Cloud Computing, May 2017 [Java/CloudSim]
20. Application-Aware Big Data Deduplication in Cloud Environment, IEEE Transactions on Cloud Computing, May 2017 [Java/CloudSim]
21. Multimedia Processing Pricing Strategy in GPU-accelerated Cloud Computing, IEEE Transactions on Cloud Computing, February 2017 [Java/CloudSim]
22. Identifying Overloaded Servers and Managing Dynamic Placement of Virtual machines in Cloud, International Journal of Computer Applications, April 2016 [Java/Cloudsim].
23. Data De-duplication Approach based on Hashing Techniques for Reducing Time Consumption over a Cloud Network, International Journal of Computer Applications, May 2016 [Java/Cloudsim].
24. Implementation of DDoS Attack Preemption and Improved Data Integrity in Cloud, International Journal of Computer Applications, May 2016 [Java/Cloudsim].
25. Energy Aware Virtual Machine Migration Techniques for Cloud Environment, International Journal of Computer Applications, May 2016 [Java/Cloudsim].
26. Auction-Based Resource Allocation for Sharing Cloudlets in Mobile Cloud Computing, IEEE Transactions on Emerging Topics in Computing, 2016 [Java/Cloudsim].

27. Stochastic Load Balancing for Virtual Resource Management in Datacenters, IEEE Transactions on Cloud Computing, 2016 [Java/Cloudsim].
28. Probabilistic Optimization of Resource Distribution and Encryption for Data Storage, IEEE Transactions on Cloud Computing, 2016 [Java/Cloudsim].
29. Optimizing Live Migration of Multiple Virtual Machines, IEEE Transactions on Cloud Computing, 2016 [Java/Cloudsim].
30. Online Resource Scheduling under Concave Pricing for Cloud Computing, IEEE 2016 [Java/Cloudsim].
31. A Procurement Auction Market to Trade Residual cloud Computing Capacity, IEEE Transactions On Cloud Computing, September 2015 [Java/CloudSim].
32. T-Broker: A Trust-Aware Service Brokering Scheme for Multiple Cloud Collaborative Services, IEEE Transaction on cloud computing, July 2015 [Java/Cloudsim].
33. An Online Auction Framework for Dynamic Resource Provisioning in Cloud Computing, IEEE Transactions on Networking, July 2015 [Java/CloudSim]
34. Energy Efficient Dynamic Load Balancing Algorithm for Cloud Environment. International Journal of Computer Applications, June 2015 [Java/CloudSim]
35. Live Migration of Virtual Machines in Cloud Environment using Prediction of CPU Usage. International Journal of Computer Applications, May 2015 [Java/CloudSim]
36. Stealthy Denial of Service Strategy in Cloud Computing, IEEE Transactions on Cloud Computing, January-March 2015.
37. A combinatorial double auction resource allocation model in cloud computing, Information Sciences, Elsevier, 2014.
38. Adaptive Resource Provisioning for the Cloud Using Online Bin Packing, IEEE Transaction on Computers, NOVEMBER 2014
39. A Hybrid Cloud Approach for Secure Authorized Deduplication, IEEE Transactions on Parallel and Distributed Systems, 2014 [Java/ CloudSim]
40. A Hyper-Heuristic Scheduling Algorithm for Cloud, IEEE Transactions on Cloud Computing, April 2014 [Java/ CloudSim]
41. An Online Integrated Resource Allocator for Guaranteed Performance in Data Centers, IEEE Transactions on Parallel and Distributed Systems, June 2014 [Java/ CloudSim]

42. CIVSched: A Communication-aware Inter-VM Scheduling Technique for Decreased Network Latency between Co-located VMs, IEEE Transaction on Cloud Computing, 2014 [Java/ CloudSim]
43. A Mechanism Design Approach to Resource Procurement in Cloud Computing, IEEE Transactions on computers, January 2014 [Java/CloudSim]
44. DR-Cloud: Multi-Cloud Based Disaster Recovery Service, Tsinghua Science and Technology, February 2014 [Java/CloudSim]
45. Lifelong Personal Health Data and Application Software via Virtual Machines in the Cloud, IEEE Journal of Biomedical and Health Informatics, January 2014 [Java/CloudSim]
46. Task-Based System Load Balancing in Cloud Computing Using Particle Swarm Optimization, Int J Parallel Prog ,2014 [Java/CloudSim]
47. SLA-aware Provisioning and Scheduling of Cloud Resources for Big Data Analytics, IEEE, 2014 [Java/CloudSim]
48. Resource Allocation in Cloud Computing Using the Uncertainty Principle of Game Theory, IEEE SYSTEMS JOURNAL, 2013.
49. Harnessing the Cloud for Securely Outsourcing Large-Scale Systems of Linear Equations, IEEE Transactions on Parallel and Distributed Systems, June 2013 [Java/ CloudSim]
50. Live Migration of Virtual Machines [Java/ CloudSim]
51. Application Scheduling in Mobile Cloud Computing with Load Balancing, Journal of Applied Mathematics, 2013 [Java/CloudSim]
52. Energy-Aware Scheduling Scheme Using Workload-Aware Consolidation Technique in Cloud Data Centres, December 2013.[Java/CloudSim]
53. Optimal Online Deterministic Algorithms and Adaptive Heuristics for Energy and Performance Efficient Dynamic Consolidation of Virtual Machines in Cloud Data Centers, Cloud Computing and Distributed Systems (CLOUDS) Laboratory, 2012