6. REFERENCES

- [1]. Gordon E. Moore., "Cramming More Components into Integrated Circuits", in proceedings of the IEEE, vol. 86, No. 1, January 1998.
- [2]. Donald K. Burleson, "Oracle Tuning: The Definitive Reference", Rampant TechPress, 2nd Ed. New York: Wiley, 2010, pp. 483-485.
- [3].IBM Inc." Applying new analytics tools to reveal new opportunities". Internet: http://www.ibm.com/smarterplanet/us/en/business_analytics/article/it_business_intelligen ce.html. [Accessed: 03-Jan-2014].
- [4].F. Raja et al., "A Comparative Study of Main Memory Databases and Disk Resident Databases", in World Academy of Science, Engineering and Technology 14, 2008
- [5].H0. Plattner and A. Zeier, "In-Memory Data Management: An Inflection Point for Enterprise Applications", Springer, Berlin Heidelberg, 2011.
- [6]. Manghul Tu et al., "Secure Data Objects Replication in Data Grid", in IEEE Transactions on Dependable and Secure Computing, Vol 7 No 1, Jan 2010
- [7]. Pierangelo Di Sanzo et al "Auto-tuning of Cloud-based In-memory Transactional Data Grids via Machine Learning" cindEEE Second Symposium on Network Cloud Computing and Applications 2012 www.lib.mrt.ac.lk
- [8].InfoQ Articles."Jags Ramnarayan on In-Memory Data Grids". Internet: http://www.infoq.com/articles/in-memory-data-grids. [Accessed: 22-Jan-2014].
- [9]. Hector Gracia and Kenneth Salem., "Main Memory Database Systems: An overview", in IEEE Transactions on Knowledge and Data Engineering, Vol 4 No 6, Dec 1992
- [10]. Oracle TimesTen, "Oracle Times Ten In-Memory Database Architectural Review", Oracle Press, USA, 2006, pp. 10-11.
- [11]. Cha S.K. et al., "An extensible architecture for main-memory real-time storage systems", in IEEE Third International Workshop on Real-Time Computing Systems and Applications, 1996
- [12]. H.Garcia-Molina and K. Salem, "High performance transaction processing with memory resident data," in Proc. Int. Workshop OII High Performance Transaction Systems, Paris, Dec. 1987
- [13]. R.B. Hagmann, "A crash recovery scheme for a memory-resident database system," IEEE Transactions and Computing.. Vol. C-35, pp. 830-842. Sept. 1986.

- [14]. D. J. DeWitt et al., "Implementation techniques for main memory database systems", in Proceedings of ACM SIGMOD Conference, June. 1084.
- [15]. Krueger J. et al., "Data structures for mixed workloads in in-memory databases", in IEEE 5th International Conference on Computer Sciences and Convergence Information Technology (ICCIT), 2010
- [16]. T.J. Lehman and M. J. Carey, "Query processing in main memory database management systems," in Proc. ACM SIGMOD Conference, Washington, DC, May, 1986.
- [17]. M. H. Eich, "A classification and comparison of main memory database recovery techniques," in Proceedings of International Conference on Data Engineering, Feb. 1987, pp. 332-339.
- [18]. S. K. Cha et al., "Object-oriented design of main-memory DBMS for real-time applications," in Proceedings of 2nd International Workshop on Real-Time Computing Systems and Applications, Oct. 1995.
- [19]. H.Garcia Molina and K. Salem, "High performance transaction processing with memory resident data," in Proceedings of International Workshop on High Performance Transaction Systems, Paris, Dec.1987.
- [20]. M.Stonebraker Managing persistent objects in a multi-level store," in Proceedings of ACM SIGMOD Conference, Denver, CO, May 1991, pp.2-11.
- [21]. Elliot King., "The Growth And Expanding Application Of In-Memory Databases", for Information Value Loyola University Maryland, June 2011
- [22]. Liu Yang et al., "The Research of Embedded Linux and SQLite Database Application in the Intelligent Monitoring System", in IEEE International Conference on Intelligent Computation Technology and Automation (ICICTA), Vol 3, 2010
- [23]. Olson, M.A., "Selecting and implementing an embedded database system", in IEEE Computer Society, Volume 33 Issue 9,Sept 2000
- [24]. Jens Krueger et al.,"Main Memory Databases for Enterprise Applications", in IEEE 18Th International Conference, Vol. 1 No 6, Sept 2011.
- [25]. Hasso Plattner and Alexander Zeier, "Introduction to IMDB," in In-Memory Data Management An Inflection Point for Enterprise Applications, 2nd Ed. New York: Springer, 2011, pp. 3-5.
- [26]. David J. DeWitt, "The Wisconsin Benchmark: Past, Present, and Future," in The Benchmark Handbook, 2nd Ed. Morgan Kaufmann Publishers Inc, 1993.
- [27]. CSQL, "CSQL Wisconsin Benchmark Results" [Online]. Available: http://csql.sourceforge.net/bresults.html [Accessed On: 2014 February 14]

- [28]. "Oracle TimesTen In-Memory Database on Oracle Exalogic Elastic Cloud", white paper, Oracle Corp., July. 2011.
- [29]. "Telecommunication Application Transaction Processing (TATP) Benchmark Description", white paper, IBM Software Group Information Management., March. 2009.
- [30]. "Using the TATP Benchmark to Measure the Effect of Additional Memory Capacity on Database Performance", white paper, IBM System x and Database Performance Analysis, June, 2011.
- [31]. Francois Raab, "TPC-C -- The Standard Benchmark for Online transaction Processing," in The Benchmark Handbook, 2nd Ed. Morgan Kaufmann Publishers Inc, 1993.
- [32]. Yao, S. Bing; Hevner, Alan R., "A Guide to Performance Evaluation of Database Systems," in The NBS Special Publication 500-188, 1984.
- [33]. SQlite.org, "SQLite Database" [Online]. Available: https://www.sqlite.org/ [Accessed On: 2015 February]
- [34]. H2database.org,"H2 Database "[Online].

 Available: http://www.h2database.com/html/main.html [Accessed On: 2015 February]
- [35]. "Comparison of Hibernate with H2 server vs Hibernate with SQLite embedded", in JPA Performance Benchmarky 2010 ty of Moratuwa, Sri Lanka.
- [36]. Memsql.org. MemsQleDtomientations [Online]. Savattable IS

 http://developers.memsql.com/docs/fatest/faccessed On: 2015 February]
- [37]. Oracle Cooperation, "Oracle Database" [Online]. Available: http://www.oracle.com/us/corporate/index.html [Accessed On: 2015 March]
- [38]. Bitton, D., DeWitt, D. J., and C. Turbyfil, "Benchmarking Database Systems: A Systematic Approach," Computer Sciences Department Technical Report #526, Computer Sciences Department, University of Wisconsin, December 1983.
- [39]. Pierangelo Masahiko Tanaka et al.,"Database Operation Using ODBC/JDBC in the KEK 8gev LINAC", in International Conference on Accelerator and Large Experimental Physics Control Systems, Italy,1999