

List of publications – Ramiro Voicu

1. **MonALISA: A Distributed Monitoring Service Architecture**, *H.B. Newman, I.C. Legrand, P.Galvez, R. Voicu, C. Cirstoiu*, CHEP 2003, La Jola, California, March 2003
2. **Using a Mobile Agent Architecture to Monitor, Control and Optimize the Operation of Distributed Systems**, *I.C.Legrand, H.B. Newman, P. Galvez, C. Cirstoiu, R. Voicu*, ACAT03, Tsukuba, Japan, December 1-5, 2003
3. **MonALISA: An Agent based, Dynamic Service System to Monitor, Control and Optimize Grid based Applications**, *I.C.Legrand, H.B.Newman, R.Voicu, C.Cirstoiu, C.Grigoras, M.Toarta, C. Dobre*, CHEP 2004, Interlaken, Switzerland, September 2004
4. **MonALISA: A Distributed Monitoring Service Architecture**, *I.C.Legrand, H.B.Newman, R.Voicu, C.Cirstoiu, C.Grigoras, M.Toarta, C. Dobre, M.Thomas* - Grid 2004 - 5th IEEE/ACM International Workshop on Grid Computing, Pittsburgh, USA, November 2004
5. **A Simulation Study For T0/T1 Data Replication And Production Activities**, *I.C.Legrand, C.M.Dobre, R.Voicu, C.Stratan, C.Cirstoiu, L.Musat*, 15th International Conference on Control Systems and Computer Science, 25-27 May, 2005
6. **LISA (Local Host Information Service Agent)**, *I.C. Legrand, C. Dobre, R. Voicu, C. Cirstoiu*, Proc. of the 15th International Conference on Control Systems and Computer Science (CSCS-15), Bucharest, Romania, 2005, pp. 127-130, ISBN: 973-8449-89-8
7. **VINCI: Virtual Intelligent Networks for Computing Infrastructures**, *Legrand, I. C., C. Cirstoiu, S. McKee, H. Newman, R. Voicu, C. M. Dobre* – Proceedings of CHEP06 – Mumbai, India, 2006
8. **A Distributed Agent Based System to Control and Coordinate Large Scale Data Transfers**, *Ciprian Dobre, Ramiro Voicu, Adrian Muraru, Iosif C. Legrand*, Proc. of the 16th International Conference on Control Systems and Computer Science (CSCS-16), Bucharest, Romania, May 2007, ISBN: 978-973-718-741-3
9. **A distributed agent system for dynamic optical path provisioning**, *Voicu, R., Legrand, I., Newman, H., Dobre, C., Tapus, N.*, IADIS Multi Conference on Computer Science and Information Systems, Lisbon, Portugal, July 2007, ISBN: 978-972-8924-39-3
10. **A Monitoring Architecture for High-Speed Networks in Large Scale Distributed Collaborations**, *A. Costan, C. Dobre, V. Cristea, R. Voicu*, in Proc. of 7th International Symposium on Parallel and Distributed Computing (ISPDC'08), Krakow, Polonia, July 2008, pp. 409 – 416, ISBN: 978-0-7695-3472-5
11. **MonALISA : A Distributed Service System for Monitoring, Control and Global Optimization**, *I. C. Legrand, R. Voicu, C. Grigoras, C. Cirstoiu, C. Dobre*, ACAT 2008
12. **Framework for high-performance data transfers optimization in large distributed systems**, *C. Cirstoiu, R. Voicu, N. Tapus* – ISPDC2008 – Krakow, Poland, 1-5 July, 2008
13. **A Distributed Service for on Demand End to End Optical Circuits**, *R. Voicu, I. Legrand, H. Newman, N. Tapus, C. Dobre*, in Proc. of the 17th International Conference on Control Systems and Computer Science (CSCS-17), CoRR abs/0910.0708, Bucharest, Romania, 2009
14. **Monalisa: An agent based, dynamic service system to monitor, control and optimize distributed systems**, *Legrand, I., Newman, H., Voicu, R., Cirstoiu, C., Grigoras, C., Dobre, C., Muraru, A., Costan, A., Dediu, M., and Stratan, C.*, Computer Physics Communications 180, 12 (2009), 2472 – 2498

15. **Monalisa: Monitoring and control of large scale distributed systems**, *Legrand, I., Voicu, R., Cirstoiu, C., Grigoras, C., Betev, L., and Costan, A*, Communications of the ACM 52, 9 (2009), 49–55
16. **Monitoring and control of large systems with MonALISA**, *Legrand, I., Voicu, R., Cirstoiu, C., Grigoras, C., Betev, L., and Costan, A*, ACM Queue 7, 6 (2009), 40–49
17. **Automated agents for management and control of the ALICE Computing Grid**, *C. Grigoras, L. Betev, F. Carminati, I. Legrand and R. Voicu*, 2010 J. Phys.: Conf. Ser. 219 062050
18. **MonALISA-based Grid monitoring and control**, *C. Grigoras, R. Voicu, N. Tapus, I. Legrand, L. Betev*, European Physical Journal, vol 126, no 1, Jan 2011, DOI 10.1140/epjp/i2011-11009-9
19. **A Monitoring Framework for Large Scale Networks**, *R. Voicu, I. Legrand, C. Dobre*, *IEEE ICCP 2011*
20. **Replication mechanisms for a distributed time series storage and retrieval service**, *M. I. Andreica, I. C. Legrand, and R. Voicu*, in *Proceedings of the 8th ACM international conference on Autonomic computing*, New York, NY, USA, 2011, pp. 161–162.
21. **Powering physics data transfers with FDT**, *Z. Maxa, B. Ahmed, D. Kcira, I. Legrand, A. Mughal, M. Thomas, and R. Voicu*, *Journal of Physics: Conference Series*, vol. 331, no. 5, p. 052014, Dec. 2011.
22. **Workflow management in large distributed systems**, *I. Legrand, H. Newman, R. Voicu, C. Dobre, and C. Grigoras*, *Journal of Physics: Conference Series*, vol. 331, no. 7, p. 072022, Dec. 2011.
23. **The Dynamics of Network Topology**, *R. Voicu, I. Legrand, H. Newman, A. Barczyk, C. Grigoras, and C. Dobre*, *Journal of Physics: Conference Series*, vol. 331, no. 5, p. 052033, Dec. 2011.
24. **The DYNES Instrument: A Description and Overview**, *J. Zurawski, R. Ball, A. Barczyk, M. Binkley, J. Boote, E. Boyd, A. Brown, R. Brown, T. Lehman, S. McKee, B. Meekhof, A. Mughal, H. Newman, S. Rozsa, P. Sheldon, A. Tackett, R. Voicu, S. Wolff, and X. Yang*, *J. Phys.: Conf. Ser.*, vol. 396, no. 4, p. 042065, Dec. 2012.
25. **Disk-to-Disk network transfers at 100 Gb/s**, *A. Barczyk, I. Gable, M. Hay, C. Leavett-Brown, I. Legrand, K. Lewall, S. McKee, D. McWilliam, A. Mughal, H. Newman, S. Rozsa, Y. Savard, R. J. Sobie, T. Tam, and R. Voicu*, *J. Phys.: Conf. Ser.*, vol. 396, no. 4, p. 042006, Dec. 2012.
26. **Efficient LHC Data Distribution across 100Gbps Networks**, *H. Newman, A. Barczyk, A. Mughal, S. Rozsa, R. Voicu, I. Legrand, S. Lo, D. Kcira, R. Sobie, I. Gable, C. Leavett-Brown, Y. Savard, T. Tam, M. Hay, S. Mckee, R. Hocket, B. Meekhof, and S. Timoteo*, in *High Performance Computing, Networking, Storage and Analysis (SCC), 2012 SC Companion:*, 2012, pp. 1594–1599.