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Scientific Information Management in Collaborative Experimentation Environments

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Appendix A

List of Author's Publications

Journals

1. **E. C. Kaletas**, H. Afsarmanesh, and L. O. Hertzberger. A Collaborative Experimentation Environment for Biosciences. Accepted for publication in the *International Journal of Networking and Virtual Organizations*, 2004.
2. H. Afsarmanesh, R. G. Belleman, A. S. Z. Belloum, A. Benabdelkader, J. F. J. van den Brand, G. B. Eijkel, A. Frenkel, C. Garita, D. L. Groep, R. M. A. Heeren, Z. W. Hendrikse, L. O. Hertzberger, J. A. Kaandorp, **E. C. Kaletas**, V. Korkhov, C. T. A. M. de Laat, P. M. A. Sloot, D. Vasunin, A. Visser, and H. H. Yakali. VLAM-G: A Grid-based Virtual Laboratory. *Scientific Programming*, 10 (2): 173-181, 2002.
3. A. S. Z. Belloum, **E. C. Kaletas**, A. W. van Halderen, H. Afsarmanesh, L. O. Hertzberger, and A. J. H. Peddemors. A Scalable Web Server Architecture. *World Wide Web Journal*, 5 (1): 5-23, 2002.
4. H. Afsarmanesh, **E. C. Kaletas**, A. Benabdelkader, C. Garita, and L.O. Hertzberger. A Reference Architecture for Scientific Virtual Laboratories. *Future Generation Computer Systems*, 17 (8): 999-1008, 2001.

Conference Proceedings

5. **E. C. Kaletas**, H. Afsarmanesh, and L. O. Hertzberger. A Methodology for Integrating New Scientific Domains and Applications in a Virtual Laboratory Environment. Accepted for publication in *Proceedings of the 6th International Conference on Enterprise Information Systems (ICEIS 2004)*, 2004.
6. **E. C. Kaletas**, H. Afsarmanesh, and L. O. Hertzberger. Modelling Multi-Disciplinary Scientific Experiments and Information. In *Proceedings of the Eighteenth International Symposium on Computer and Information Sciences (ISCIS03)*, pages 75-82, 2003.
7. **E. C. Kaletas**, H. Afsarmanesh, and L. O. Hertzberger. Virtual Laboratories and Virtual Organizations Supporting Biosciences. In *Proceedings of the 3rd IFIP Working Conference on Infrastructures For Virtual Enterprises (PRO-VE'02)*, pages 469-480, 2002.
8. C. Garita, **E. C. Kaletas**, H. Afsarmanesh, and L. O. Hertzberger. A Service Interface Definitions Catalogue for Virtual Enterprises in Tourism. In *Proceedings of the*

- 5th IFIP International Conference on Information Technology for BALANCED AUTOMATION SYSTEMS In Manufacturing and Services (BASYS 2002)*, pages 97–108, 2002.
9. H. Afsarmanesh, **E. C. Kaletas**, and L. O. Hertzberger. The Potential of Grid, Virtual Laboratories and Virtual Organizations for Bio-sciences (invited paper). In *Proceedings of the 28th Annual Conference on Current Trends in Theory and Practice of Informatics (SOFSEM 2001)*, pages 1–9, 2001.
 10. L. M. Camarinha-Matos, H. Afsarmanesh, **E. C. Kaletas**, and T. Cardoso. Service Federation in Virtual Organizations. In *Proceedings of The Eleventh International IFIP TC5 WG-5.2–WG-5.3 Conference (PROLAMAT 2001)*, pages 305–324, 2001.
 11. A. Belloum, Z. Hendrikse, D. Group, **E. C. Kaletas**, A. W. van Halderen, H. Afsarmanesh, and L. O. Hertzberger. The VL Abstract Machine: A Data and Process Handling System on the Grid. In *Proceedings of the 9th International Conference and Exhibition on High-Performance Computing and Networking (HPCN Europe 2001)*, pages 81–93, 2001.
 12. H. Afsarmanesh, A. Benabdelkader, **E. C. Kaletas**, C. Garita, and L. O. Hertzberger. Towards a Multi-Layer Architecture for Scientific Virtual Laboratories. In *Proceedings of the 8th International Conference and Exhibition on High-Performance Computing and Networking (HPCN Europe 2000)*, pages 163–176, 2000.
 13. **E. C. Kaletas**, A. W. van Halderen, F. van der Linden, H. Afsarmanesh, and L. O. Hertzberger. Evaluation of RCube-based Switch Using a Real World Application. In *Proceedings of the 8th International Conference and Exhibition on High-Performance Computing and Networking (HPCN Europe 2000)*, pages 507–516, 2000.
 14. A. Benabdelkader, H. Afsarmanesh, **E. C. Kaletas**, and L. O. Hertzberger. Managing Large Scientific Multi-Media Data Sets. In *Proceedings of the Workshop on Advanced Data Storage/Management Techniques for High Performance Computing*, 2000.

Technical Reports

15. **E. C. Kaletas**, C. Garita, H. Afsarmanesh, and L. O. Hertzberger. Implementation of a Federated Information Management System to Support VEs in the Tourism Sector. Technical Report CS-2001-05, University of Amsterdam, Informatics Institute, 2001.
16. **E. C. Kaletas**, H. Afsarmanesh, T. M. Breit, and L. O. Hertzberger. EXPRESSIVE - A Database for Micro-Array Gene Expression Studies. Technical Report CS-2001-02, University of Amsterdam, Informatics Institute, 2001.
17. **E. C. Kaletas**, H. Afsarmanesh, and L. O. Hertzberger. Virtual Laboratory Experimentation Environment Data Model. Technical Report CS-2001-01, University of Amsterdam, Informatics Institute, 2001.
18. A. Belloum, **E. C. Kaletas**, and L. O. Hertzberger. The JERA Final Report. Technical Report JERA-TN13, University of Amsterdam, Informatics Institute, 1999.
19. A. W. van Halderen, F. van der Linden, **E. C. Kaletas**, and L. O. Hertzberger. GE Application and MPI Benchmarking Report. Technical Report ARCHES II Deliverables 3.3.2.2 and 3.3.4.2, University of Amsterdam, Informatics Institute, 1999.