

APPENDIX A

LIST OF PUBLICATIONS

▪ **Journals:**

[GAV00a] Gavalas D., Greenwood D., Ghanbari M., O'Mahony M., "Advanced Network Monitoring Applications Based on Mobile/Intelligent Agent Technology", *Computer Communications*, Elsevier Science, special issue on "Mobile Software Agents for Telecommunication Applications", Vol. 23, No 8, pp. 720-730, April 2000. The paper was selected as the best paper published in 1999-2000 by a postgraduate student within the Electronic Systems Engineering Department, University of Essex, and received the "British Telecom Postgraduate Publication Prize".

[GAV01a] Gavalas D., Greenwood D., Ghanbari M., O'Mahony M., "Mobile Software Agents for Decentralised Network & Systems Management", *invited paper*, to appear in *Microprocessors and Microsystems*, Elsevier Science, special issue on "Mobile Agent Technology: from first proposals to current evolutions".

[GAV01b] Gavalas D., Greenwood D., Ghanbari M., O'Mahony M., "Hierarchical Network Management: A Scalable and Dynamic Mobile Agent-Based Approach", *submitted to Computer Networks*, Elsevier Science.

▪ **Refereed Conferences, Symposiums and Workshops:**

[GAV99a] Gavalas D., Greenwood D., Ghanbari M., O'Mahony M., "A Progressive Network Management Architecture Enabled by Java Technology", *Proceedings of the 1st International Conference and Exhibition on the Practical Applications of Java (PA-Java'99)*, pp. 61-72, London, UK, 21-23 April 1999.

[GAV99b] Gavalas D., Greenwood D., Ghanbari M., O'Mahony M., "An Infrastructure for Distributed and Dynamic Network Management based on Mobile Agent Technology", *Proceedings of the IEEE International Conference on Communications (ICC'99)*, Vol. 2, pp. 1362-1366, Vancouver, Canada, 6-10 June 1999.

- [GRE99] Greenwood D., Gavalas D., “Using Active Processes as the Basis for an Integrated Distributed Network Management Architecture”, Proceedings of the *1st International Working Conference on Active Networks (IWAN’99)*, LNCS Vol. 1653, Springer-Verlag, Covaci S. (Eds.), pp. 199-211, Berlin, Germany, 30 June - 2 July 1999.
- [GAV99c] Gavalas D., Greenwood D., Ghanbari M., O’Mahony M., “A Hybrid Centralised - Distributed Network Management Architecture”, Proceedings of the *4th IEEE International Symposium on Computers and Communications (ISCC’99)*, pp. 434-441, Sharm El Sheikh, Egypt, 6–8 July 1999.
- [GAV99d] Gavalas D., Greenwood D., Ghanbari M., O’Mahony M., “Using Mobile Agents for Distributed Network Performance Management”, Proceedings of the *3rd International Workshop on Intelligent Agents for Telecommunication Applications (IATA’99)*, LNCS Vol. 1699, Springer-Verlag, Albayrak, S. (Eds.), pp. 96-112, Stockholm, Sweden, 9-11 August 1999.
- [GAV99e] Gavalas D., Greenwood D., Ghanbari M., O’Mahony M., “Complementary Polling Modes for Network Performance Management Employing Mobile Agents”, Proceedings of the *IEEE Global Communications Conference (Globecom’99)*, pp. 401-405, Rio de Janeiro, Brazil, 5-9 December 1999.
- [GAV00b] Gavalas D., Greenwood D., Ghanbari M., O’Mahony M., “Deploying a Hierarchical Management Framework Using Mobile Agent Technology”, Proceedings of the *7th International Conference on Intelligence in Services and Networks (IS&N’2000)*, LNCS Vol. 1774, Springer-Verlag, Delgado J., Stamoulis G.D., Mullery A., Prevedourou D. and Start K. (Eds.), pp. 333-348, Athens, Greece, 23-25 February 2000.
- [GAV00c] Gavalas D., Greenwood D., Ghanbari M., O’Mahony M., “Enabling Mobile Agent Technology for Intelligent Bulk Management Data Filtering”, Proceedings of the *2000 IEEE/IFIP Network Operations and Management Symposium (NOMS’2000)*, pp.623-636, Honolulu, Hawaii, U.S.A., 10-14 April 2000.
- [GAV00d] Gavalas D., Greenwood D., Ghanbari M., O’Mahony M., “Implementing a Highly Scalable and Adaptive Agent-Based Management Framework”, Proceedings of the *IEEE Global Communications Conference (Globecom’2000)*, Vol. 3, pp. 1458-1462, San Francisco, U.S.A., 27 November-1 December 2000.