References

[1] CEB, “Transmission Network 2014,” Ceylon Electricity Board Sri Lanka, 2012. [Online]. Available: http://www.ceb.lk/sub/other/networkt.html.

[2] C. Byrne, “The super grid. Coming soon to a power outlet near you,” 29 Oct 2010. [Online]. Available: http://venturebeat.com/2010/10/29/super-grid-introduction/.

[3] J. M. Solanki, S. Khushalani and N. N. Schulz, “A Multi-Agent Solution to Distribution Systems Restoration,” in *Power Systems, IEEE Transactions on (Vol:22, Issue:3)*, Aug, 2007.

[4] D. Buse, P. Sun, Q. Wu and J. Fitch, “Agent-Based Substation Automation,” in *Power and Energy Magazine, IEEE (Volume:1 , Issue: 2)*, Mar-Apr 2003.

[5] F. Bellifemine, G. Caire and D. Greenwood, in *Developing Multi-Agent systems with JADE*, West Sussex, England, Jhon Wiley & Sons Ltd, 2007, pp. 3-74.

[6] Y. N. Guo, J. Cheng, D. Gong and J. Zhang, “A Novel Multi-agent Based Complex Process Control System and Its Application,” *Lecture Notes in Control and Information Sciences, Volume 344,* pp. 319-330, 2006.

[7] I. Seilonen, T. Pirttioja, P. Appelqvist, K. Koskinen and A. Halme, “Modelling cooperative control in process automation with multi-agent systems,” in *Industrial Informatics, 2004. INDIN '04. 2004 2nd IEEE International Conference*, Berlin, 26-26 June 2004.

[8] Z. Wim, B. Gert, H. R. Van, S. Perica, V. J. V. Der, H. J. Fokko, W. Willem, N. Paul and K. Rene, “Multi-Agent System Control Ontology,” in *Third International Symposium, KES-AMSTA 2009*, Uppsala, Sweden, June 2009.

[9] L. S. Passos, R. J. F. Rossetti and J. Gabriel, “Diagnosis of Unwanted Behaviours in Multi-Agent Systems,” in *Faculty of Engineering, University of Porto, Rua Dr. Roberto Frias,*, 2009.

[10] S. McArthur and E. Davidson, “Multi-agent systems for diagnostic and condition monitoring applications,” in *Power Engineering Society General Meeting, 2004, IEEE*, 6-10 June 2004.

[11] S. McArthur, E. Davidson, J. Hossack and J. McDonald, “Automating power system fault diagnosis through multi-agent system technology,” in *System Sciences, 2004. Proceedings of the 37th Annual Hawaii International Conference*, 5-8 Jan. 2004.

[12] S. Gupta, A. Sarkar and S. Mukherjee, “Implementation Scheme for Clinical Diagnosis System Using Multi-Agent System (MAS),” in *6th International Conference on Information Processing*, Bangalore, India, 10-12 Aug 2012.

[13] S. Gupta and S. Mukhopadhyay, “Multi Agent System Based Clinical Diagnosis System: An Algorithmic Approach,” *Interantional Journal of Engineering Research and Applications Vol 2,* pp. 1474-1477, Sep-Oct 2012.

[14] N. Sasaki and Y. Dote, “DIAGNOSIS AND CONTROL FOR MULTI-AGENT SYSTEMS USING IMMUNE NETWORKS,” *Soft Computing and Industry,* vol. Part I, pp. 3-12, 2002.

[15] A. Carreraa, C. A. Iglesiasa, J. G. Algarrab and D. Kolarikc, “A real-life application of multi-agent systems for fault diagnosis in the provision of an Internet business service,” *Journal of Network and Computer Applications Vol 37,* pp. 146-154, Jan 2014.

[16] J. Barbosa and P. Leitao, “Simulation of Multi-agent Manufacturing Systems using Agent-based Modelling Platforms,” in *Industrial Informatics (INDIN), 2011 9th IEEE International Conference on*, Caparica, Lisbon, July 2011.

[17] B. S. Germain, P. Valckenaers, H. V. Brussel, Hadeli, O. Bochmann, C. Zamfirescu and P. Verstraete, “MULTI-AGENT MANUFACTURING CONTROL: AN INDUSTRIAL CASE STUDY,” *IMS Budapest,* pp. 1-6, 2003.

[18] L. Monostori, J. Vancza and S. Kumara, “Agent-Based Systems for Manufacturing,” *CIRP Annals-Manufacturing Technology,* vol. 55, no. 2, pp. 697-720, 2006.

[19] T. Wong, C. Leung and H. Tang, “A multi-agent system framework for manufacturing planning and control,” in *Intelligent Control and Automation, 2008, WCICA 2008, 7th World Congress*, Chongqing, 25-27 June 2008.

[20] N. Anand, R. V. Duin and L. Tavasszy, “A SITUATED MULTI-AGENT SYSTEM FOR URBAN FREIGHT IN THE RANDSTAD,” in *11th TRAIL Cogress*, Nov 2010.

[21] H. Franker and W. Dangelmaier, “Decentralized management for transportation-logistics -A Multi Agent based approach,” *Integrated Computer-Aided Engineering,* vol. 10, no. 2, pp. 203-210, Aprl 2003.

[22] V. Graudina and J. Grundspenkins, “Technologies and Multi-Agent System Architectures for Transportation and Logistics Support: An Overview,” in *International Conference on Computer System and Technologies CompSysTech 2015*, Jan 2015.

[23] M. Gath, O. Herzog and S. Edelkamp, “Autonomous and flexible multiagent systems enhance transport logistics,” in *Emerging Technologies for a Smarter World(CEWIT), 11th International Conference & Expo*, Melville, NY, 29-30 Oct 2014.

[24] A. Pokahr, L. Braubach, J. Sudeikat, W. Renz and W. Lamersdorf, “Simulation and Implementation of Logistics Systems based on Agent Technology,” in *International Conference on Logistics 2008: Logistics Networks and Nodes*, Hamburg, 2008.

[25] S. Joel, T. Eiichi and Q. A. Gul, “Evaluating City Logistics Measure in E-Commerce with Multiagent Systems,” in *7th International Conference on City Logistics, Vol 39*, Mallorca, Spain, 7-9 June 2011.

[26] Z. Wang and H. Tianfield, “A Study of Multi-agent System for Network Management,” in *International Conference on High Performance Computing and Application*, Shanghai P.R, China, 8-10 Aug 2004.

[27] M. N. D. Duque, S. M. H. Mejia, I. Gustavo and M. Adriana, “Multi Agent System Implementation for Network Management based on SNMP Protocol,” in *International Symposium on Distributed Computing and Artificial Intelligence, Vol 50*, 2008.

[28] D. Mitrovic, Z. Budimac, M. Ivanovic and M. Vidakovic, “Improving fault Tolerance on Distributed Multi Agent Systems with mobile Network Management Agents,” in *International Multi Conference on Computer Science and Information Technology*.

[29] B. Karima and G. Zahia, “A Multi Agent System for Network Security Management,” in *SMARTNET 2000, 6th IFIP Conference on Intelligence in Networks*, Vienna, Austria, Sep 18-22, 2000.

[30] I. Vlahavas, N. Bassiliades, I. Sakellariou, M. Molina, S. Ossowski, I. Futo, Z. Pasztor, J. Szeredi, I. Velbitskiyi, S. Yershov and I. Netesin, “ExperNet: An Intelligent Multi-Agent System for WAN Management,” in *Distributed Expert System for the Management of a National Network; http://www.csd.auth.gr/~lpis/projects/inco/ Inco.html*.

[31] FIPA.ORG, FIPA Agent Management Specification- Standard, fab@fipa.org, 2004/18/03.

[32] FIPA.ORG, FIPA ACL Message Structure Specification- Standard, fab@fipa.org, 2002/12/03.

[33] FIPA.ORG, FIPA Request Interaction Protocol Specification-Standard, fab@fipa.org, 2002/12/03.

[34] FIPA.ORG, FIPA Contract Net Interaction Protocol Specification-Standard, fab@fipa.org, 2002/12/03.

[35] A. Singh, D. Juneja and A. Sharma, “Agent Development Toolkits,” in *International Journal of Advancements in Technology*, Jan 2011.

[36] F. Bellifemine and G. Caire. [Online]. Available: http://jade.tilab.com/.

[37] G. Caire, JADE TUTORIAL-JADE PROGRAMMING FOR BEGINNERS, Free Software Foundation,, June 2009..

[38] F. Bellifemine, G. Caire, T. Trucco and G. Rimassa, JADE PROGRAMMER’S GUIDE, Free Software Foundation,, April-2010.

[39] T. Nagata and H. Sasaki, “A Multi-Agent Approach to Power System Restoration,” Perth, WA, 2000.

[40] Y. H. Hsu and H. C. Kuo, “A heuristic based fuzzy reasoning approach for distribution system service restoration,” in *Power Delivery, IEEE Transactions on (Vol:9, Issue:2)*, Apr 1994.

[41] S. Toune, H. Fudo, T. Genji, Y. Fukuyama and Y. Nakanishi, “Comparative study of modern heuristic algorithms to service restoration in distribution systems,” in *Power Delivery, IEEE Transactions on (Vol:17, Issue:1)*, Jan 2002.

[42] F. Gomes, S. Cameiro, J. Pereira, M. Vinagre, P. Garcia and L. Araujo, “A New Heuristic Reconfiguration Algorithm for Large Distribution Systems,” in *Power Systems, IEEE Transactions on (Vol: 20, Issue:3)*, Aug.2005.

[43] A. Morelato and A. Monticelli, “Heuristic search approach to distribution system restoration,” in *Power Delivery, IEEE Transactions on (Vol:4, Issue: 4)*, Aug 2002.

[44] W. Luan, M. Irving and J. Daniel, “Genetic algorithm for supply restoration and optimal load shedding in power system distribution networks,” in *Generation, Transmission and Distribution, Vol: 149, Issue:2*, Mar, 2002.

[45] Y. Kumar, B. Das and J. Sharma, “Multiobjective, Multiconstraint Service Restoration of Electric Power Distribution System With Priority Customers,” in *Power Delivery, IEEE Transactions on (Vol:23, Issue:1)*, Jan 2008.

[46] W. Lin, F. Cheng and M. Tsav, “Distribution feeder reconfiguration with refined genetic algorithm,” in *Generation, Transmission and Distribution. Vol:147, Issue: 6*, Nov 2000.

[47] Y. T. Hsiao and C. Chien, “Enhancement of restoration service in distribution systems using a combination fuzzy-GA method,” in *Power System, IEEE Transactions on (Vol:15, Issue:4)*, Nov 2000.

[48] A. Delbem, A. de Carvalho and N. Bretas, “Main chain representation for evolutionary algorithms applied to distribution system reconfiguration,” in *Power Systems, IEEE Transactions on (Vol:20, Issue:1)*, Feb 2005.

[49] S. D. J. McArthur, E. M. Davidson, V. M. Catterson, A. L. Dimeas, N. D. Hatziargyriou, F. Ponci and T. Funabashi, “Multi-Agent Systems for Power Engineering Applications—Part I: Concepts, Approaches, and Technical Challenges,” in *IEEE TRANSACTIONS ON POWER SYSTEMS, VOL:22 No:4*, Nov-2007.

[50] K. Huang, D. Cartes and S. Srivastava, “A multiagent based algorithm for ring-structured shipboard power system reconfiguration,” in *Systems, Man and Cybernetics, 2005 IEEE International Conference on (Volume:1)*, 10-12 Oct. 2005.

[51] M. Nordman and M. Lehtonen, “An agent concept for managing electrical distribution networks,” in *Power Delivery, IEEE Transactions on (Volume:20 , Issue: 2)*, April 2005.

[52] T. Nagata, Y. Tao and H. Fujita, “An autonomous agent for power system restoration,” in *Power Engineering Society General Meeting, 2004. IEEE*, Denver, CO, June 2004.

[53] L. H. Sun, G. Morejon and D. Cartes, “Interfacing Software Agents with Power System Simulations,” in *Proceedings of the 2004 WSEAS Conference*, Athens, 2004.

[54] H. Liu, L. Zhang, K. Yu and X. Chen, “MAS-Based Restorative Control of Urban Power Network,” in *Power and Energy Engineering Conference (APPEEC), 2010 Asia-Pacific*, Chengdu, March 2010.

[55] P. Parikh, M. Kanabar and T. Sidhu, “Opportunities and challenges of wireless communication technologies for smart grid applications,” in *Power and Energy Society General Meeting, 2010 IEEE*, Minneapolis, MN, July 2010.

[56] ORACLE, “Lesson: Regular Expressions,” Oracle, 1995-2014. [Online]. Available: https://docs.oracle.com/javase/tutorial/essential/regex/. [Accessed Nov 2014].

[57] MATHWORKS, “Regular Expressions,” MathWorks, Inc., 1994-2014. [Online]. Available: http://in.mathworks.com/help/matlab/matlab_prog/regular-expressions.html. [Accessed Nov 2014].