Bibliography

[1]. A. Bouguettaya, M. Quazzani, B. Medjahed and J. Cameron. "Managing government databases", *Computer* 34(2), 56-64 (2001)

[2]. B. Medjahed, A. Rezgui, A. Bouguettaya, and M. Quazzani. "Infrastructure for e-government web services". *IEEE Internet Comput*. 7(1), 58-65 (2003).

[3]. B. Medjahed, and A. Bouguettaya. "Customized delivery of e-government web services", *IEEE Intell. Systs*. 20(6), 77-84 (2005).

[4]. G. Giuliano, "ARGOS : Dynamic Composition of Web Services for Goods Movement Analysis and planning." *Technical Report, University of Southern California* (2003).

[5]. M.P. Papazoglou, and D. Georgakopoulos. "Service-oriented computing", *Commun. ACM* 46(10), 25-65 (2003).

[6]. L. Rasmusson and S. Janssen. "Simulated Social Control for Secure Internet Commerce." *In Catherine Meadows editor, Proceedings of the 1996 New SecurityParadigm Workshop, ACM* (1996).

[7]. F. Casati. "Open issues and opportunities in web services modeling, development, and management." *In Coordination, Pisa, Italy*, February (2004).

[8]. B. Medjahed, A. Bouguettaya, and A. Elmagarmid. "Composing web services on the semantic web." *VLDB J.* 12(4), 333–357 (2003).

[9]. O. Abdel Wahab, J. Betahar, H. Otrok, A. Mourad, "A survey on trust and reputation models for Web services : Single, composit, and communities", *Decicsion Support System*, Volume 74 June 2015. pp. 121-134.

[10]. G. Alonso, F. Casati, H. Kuno, V. Machiraju, Web Services: Concepts, Architectures and Applications, (1st edition) Springer Publishing Company, 2004.

[11]. J. Pathak, S. Basu, V. Honavar, Assembling composite web services fromautonomous components, *Proceedings of the Conference on Emerging Artificial Intelligence Applications in Computer Engineering,* IOS Press 2007, pp. 394–405.

[12]. Z.Maamar, S. Subramanian, P. Thiran, D. Benslimane, J. Bentahar, An approach to engineer communities of web services: concepts, architecture, operation, and deployment, *International Journal of E-Business Research* 5 (4) (2009) 1–21.

[13]. M.R.Hassan, B.Nath, "Stock Market forecasting using hidden Markov model: a new approach." *In: Proceedings of the 5th International Conference on Intelligent Systems Design and Applications, pp. 192–194. Wroclaw, Poland (*2005*)*

[14]. M.Raza,, O.K. Hussain, F. K. Hussain, E, Chang,"Maturity, distance and density (MD2) metrics for optimizing trust prediction for business intelligence", *Journal of Global Optimization October* 2011, Volume 51, Issue 2, pp 285-300

[15]. R.,Drossu, Z. Obradovic, "Rapid design of neural networks for time series prediction." *IEEE Comput.Sci. Eng*. 3(2), 78–89 (1996)

[16]. C.Croux, , S.Gelper, R. Fried, "Computational aspects of robust Holt-Winters smoothing based on M -estimation." *Appl. Math.* 53, 163–176 (2008)

[17]. R.E. Kalman, "A new approach to linear filtering and prediction problems" *Trans. ASME J. Basic Eng. 8*2(Series D), 35–45 (1960)

[18]. Hou, L., Wang, L., Yang, J.: "Evolutionary prediction of online keywords bidding" *In: E-Commerce and Web Technologies*, pp. 124–133. Springer, Berlin/Heidelberg (2008)

[19]. N. Dragoni, "A survey on trust-based web service provision approaches", *Third International Conference on Dependability (DEPEND), IEEE 2010,* pp. 83–91.

[20]. M. Deutsch. Cooperation and trust. some theoretical notes. In *Nebraska Symposium on Motivation. Nebraska University Press*, 1962.

[21]. A. Jøsang, R. Ismail, and C. Boyd. A survey of trust and reputation systems for online service provision. *Decision Support Systems*, 43(2):618–644, 2007.

[22]. D. M. Rousseau, S. B. Sitkin, R. S. Burt, and C. Camerer. Not so different after all: A cross-discipline view of trust. *Academy of Management Review,* 23(3):393–404, 1998

[23]. W. Sherchan, S. Nepal, and C. Paris. A survey of trust in social networks. *ACM Computing Surveys*, 45(47):47:1–47:33, 2013.

[24]. P. Sztompka. Trust: A Sociological Theory. *Cambridge University Press*, 1999.

[25]. N. Luhmann. Trust and power. *Chichester: Wiley*, 1979.

[26]. A. B. Seligman. The Problem of Trust. *Princeton University Press*, 2000.

[27]. J. B. Rotter. A new scale for the measurement of interpersonal trust. Personality, 35(4):651–665, 1967.

[28]. S. P. Marsh. Formalising Trust as a Computational Concept. PhD thesis, University of Stirling, 1994

[29]. S. Jones. TRUST-EC: requirements for trust and confidence in e-commerce. *European Commission, Joint Research Center*, 1999.

[30]. I. Markova, A. Gillespie, and J. Valsiner. Trust and Distrust: Sociocultural Perspectives. *Information Age Publishing*, 2008.

[31]. G. A. Akerlof. The market for "lemons": Quality uncertainty and the market mechanism. *The Quarterly Journal of Economics*, 84(3):488–500, 1970.

[32]. S. Ba and P. A. Pavlou. Evidence of the effect of trust building technology in electronic markets: Price premiums and buyer behavior. *MIS Quarterly*, 26(3):243–268, 2002.

[33]. J. Riegelsberger, M. A. Sasse, and J. D. Mccarthy. Shiny happy people building trust?. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, pages 121–128, 2003.

[34]. P. Bonatti, C. Duma, D. Olmedilla, and N. Shahmehri. An integration of reputation-based and policy-based trust management. In *Proceedings of the Semantic Web Policy Workshop*, 2005.

[35]. L. Mui. Computational Models of Trust and Reputation: Agents, Evolutionary Games, and Social Networks. PhD thesis, Massachusetts Institute of Technology, 2002.

[36]. D. Artz and Y. Gil. A survey of trust in computer science and the semantic web. *Journal of Web Semantics: Science, Services and Agents on the World Wide Web*, 5(2):58–71, 2007

[37]. R. Hardin. Trust and Trustworthiness. *Russell Sage Foundation*, 2002.

[38]. R. Mansell and B. Collins. Trust and crime in information societies. *Edward Elgar Publishing*, 2005.

[39]. J. Golbeck and J. Hendler. Inferring trust relationships in web-based social networks. *Technical report, University of Maryland*, 2006.

[40]. H. Zhang. Context-Aware Transaction Trust Computation in E-Commerce Environments. PhD thesis, Macquarie University, 2014

[41]. A. Jøsang. Artificial reasoning with subjective logic. *Australian Workshop on Commonsense Reasoning,* 1997.

[42]. A. Jøsang. A logic for uncertain probabilities. *Uncertainty, Fuzziness and Knowledge-Based Systems*, 9(3):279–212, 2001.

[43]. L. Li and Y. Wang. Subjective trust inference in composite services. In *24th AAAI Conference on Artificial Intelligence*, pages 1377–1384, 2010.

[44]. A. Jøsang and R. Ismail. The beta reputation system. In *Proceedings of the 15th Bled Conference on Electronic Commerce,* 2002.

[45]. X. Liu and A. Datta. Modeling context aware dynamic trust using hidden Markov model. In *26th Conference on Artificial Intelligence (AAAI),* 2012.

[46]. M. Richardson, R. Agrawal, and P. Domingos. Trust management for the semantic web. In *International Semantic Web Conference, pages* 351–368, 2003.

[47]. J. Golbeck and J. A. Hendler. Inferring binary trust relationships in web-based social networks. *ACM Transactions on Internet Technology*, 6(4):497–529, 2006.

[48]. G. Liu, Y. Wang, and M. Orgun. Trust inference in complex trust-oriented social networks. In *International Conference on Computational Science and Engineering (CSE)*, pages 996–1001, 2009.

[49]. R. Guha, R. Kumar, P. Raghavan, and A. Tomkins. Propagation of trust and distrust. In *Proceedings of the 13th International Conference on World Wide Web (WWW),* pages 403–412, 2004.

[50]. B. Christianson, W. S. Harbison. Why isn't trust transitive? In *International Workshop on Security Protocols,* pages 171–176, 1996.

[51]. H. Zhang. Context-Aware Transaction Trust Computation in E-Commerce Environments. PhD thesis, Macquarie University, 2014.

[52]. A. Jøsang, E. Gray, and M. Kinateder. Simplification and analysis of transitive trust networks. *Web Intelligence and Agent Systems*, 4(2):139–161, 2006.

[53]. Y. Wang and K. J. Lin. Reputation-oriented trustworthy computing in ecommerce environments. *IEEE Internet Computing*, 12(4):55–59, 2008

[54]. H. Zhang, Y. Wang, and X. Zhang. A trust vector approach to transaction context-aware trust evaluation in e-commerce and e-service environments. In *5th IEEE International Conference on Service Oriented Computing & Applications (SOCA),* pages 1–8, 2012.

[55]. H. Zhang, Y. Wang, and X. Zhang. Efficient contextual transaction trust computation in e-commerce environments. In *IEEE International Conference on Trust, Security and Privacy in Computing and Communications*, pages 318– 325, 2012.

[56]. L. Xiong and L. Liu. Peertrust: Supporting reputation-based trust for peer to- peer electronic communities. *IEEE Transactions on Knowledge and Data Engineering*, 16(15):843–857, 2004.

[57]. Y. Wang and V. Varadharajan. Role-based recommendation and trust evaluation. In *IEEE Joint Conference on E-Commerce Technology and Enterprise Computing, E-Commerce and E-Services,* pages 278–288, 2007.

[58]. T. Grandison and M. Sloman. A survey of trust in internet applications. *IEEE Communications Surveys & Tutorials*, 3(4):2–16, 2000.

[59]. I. H. McKnight and N. L. Chervany. The meanings of trust. Technical *Report*, 1996.

[60]. A. Abdul-Rahman and S. Hailes. Supporting trust in virtual communities. In *Hawaii International Conference on System Sciences*, pages 1–9, 2000.

[61]. N. Griffiths. Task delegation using experience-based multi-dimensional trust. In *ACM International Conference on Autonomous Agents and Multiagent Systems*, pages 489–496, 2005.

[62]. S. Buchegger and J.-Y. Le Boudec. Performance analysis of the confidant protocol. In *Proceedings of the 3rd ACM International Symposium on Mobile AdHoc Networking &Amp; Computing, MobiHoc '02,* pages 226–236, New York,

[63]. NY, USA, 2002. ACM.G. Liu, Y. Wang, M. A. Orgun, and H. Liu. Discovering trust networks for the selection of trustworthy service providers in complex contextual social networks. In *IEEE International Conference on Web Services (ICWS),* pages 384– 391, 2012.

[64]. Y. Wang, L. Li, and G. Liu. Social context-aware trust inference for trust enhancement in social network based recommendations on service providers. *World Wide Web Journal (WWWJ),* 18(1):159–184, 2015.

[65]. Y. Wang and K. J. Lin. Reputation-oriented trustworthy computing in ecommerce environments. *IEEE Internet Computing*, 12(4):55–59, 2008.

[66]. M. Uddin, M. Zulkernine, and S. Ahamed. CAT: A context-awareware trust model for open and dynamic systems. In *ACM Symposium on Applied Computing*, pages 2024–2029, 2008.

[67]. L. Li and Y. Wang. Context based trust normalization in service-oriented environments. In *IEEE International Conference on Autonomic and Trusted Computing*, pages 122–138, 2010.

[68]. H. Zhang, Y.Wang, and X. Zhang. Transaction similarity-based contextual trust evaluation in e-commerce and e-service environments. In *IEEE International Conference on Web Services*, pages 500–507, 2011.

[69]. A. K. Dey, G. D. Abowd, and D. Salber. A conceptual framework and a toolkit for supporting the rapid prototyping of context-aware applications. *Human- Computer Interaction*, 16(3):97–166, 2001.

[70]. J. Sabater and C. Sierra. REGRET: reputation in gregarious societies. In *Proceedings of the 5th International Conference on Autonomous Agents*, pages 194–195, 2001.

[71]. Z. Shi, J. Liu, and Z. Wang. Dynamic p2p trust model based on time-window feedback mechanism. *Journal on Communications*, 31(2):120–129, 2010.

[72]. S. Spitz and Y. Tuchelmann. A trust model considering the aspects of time. In *International Conference on Computer and Electrical Engineering,* pages 550–554, 2009.

[73]. X. Wang, Y. Chen, and B. Xu. Trust service selection in pervasive computing. In *International Conference on Multimedia Information Networking and Security (MINES),* pages 173 –176, 2009.

[74]. Y. Wang and V. Varadharajan. Trust2: Developing trust in peer-to-peer environments. In *International Conference on Services Computing*, pages 24–31, 2005.

[75]. Y. Wang and V. Varadharajan. Two-phase peer evaluation in p2p e-commerce environments. In *International Conference on e-Technology, e-Commerce and e-Service,* pages 654–657, 2005.

[76]. L. Xiong and L. Liu. A reputation-based trust model for peer-to-peer ecommerce communities. In *IEEE International Conference on E-Commerce,* pages 275–284, 2003.

[77]. X. Zheng, Y. Wang, and M. Orgun. Modeling the dynamic trust of online service providers using HMM. In *IEEE 20th International Conference on WebServices (ICWS), pages 459–466, Silicon Valley, California, USA,* 2013.

[78]. R. Zhou and K. Hwang. Powertrust: A robust and scalable reputation system for trusted peer-to-peer computing. IEEE Transactions on Parallel and Distributed Systems, 18(4):460–473, 2007.

[79]. Y. Wang and L. Li. Two-dimensional trust rating aggregations in service oriented applications. *IEEE Transactions on Service Computing*, 4(4):257–271, 2011.

[80]. Z. Malik and A. Bouguettaya. RATEWeb: Reputation assessment for trust establishment among web services. *Very Large Databases*, 18(4):885–911, 2009.

[81]. E. ElSalamouny, V. Sassone, and M. Nielsen. HMM-based trust model. In *International Workshop on Formal Aspects in Security and Trust (FAST), volume 5983 of LNCS*, pages 21–35. Springer, 2009.

[82]. S. Vavilis, M. Petkovi, N. Zannone, A reference model for reputation systems, *Decision Support Systems* 61 (2014) 147–154.

[83]. L. Liu, M. Munro, Systematic analysis of centralized online reputation systems, *Decision Support Systems* 52 (2) (2012) 438–449.

[84]. V. Mareeswari, D.E. Sathiyamoorthy, A survey on trust in semantic web services, International *Journal of Scientific & Engineering Research* 3 (2) (2012) 1–5.

[85]. S. Phoomvuthisarn, A survey study on reputation-based trust mechanisms in service oriented computing, *Journal of Information Science and Technology* 2 (2) (2011) 1–12.

[86]. Y. Wang, J. Vassileva, Toward trust and reputation based web service selection: a survey, *International Transactions on Systems Science and Application*s (*ITSSA*) Journal 3 (2) (2007) 118–132.

[87]. E.M. Maximilien,M.P. Singh, Multiagent system for dynamic web services selection, *Proceedings of 1st Workshop on Service-Oriented Computing and Agent-Based Engineering (SOCABE at AAMAS*) 2005, pp. 25–29.

[88]. Z. Malik, A. Bouguettaya, Rater credibility assessment in web services interactions, *World Wide Web 12* (1) (2009) 3–25.

[89]. E.M. Maximilien, M.P. Singh, Conceptual model of web service reputation, *SIGMOD Record* 31 (4) (2002) 36–41.

[90]. H.-H. Li, X.-Y. Du, X. Tian, A review-based reputation evaluation approach for web services, *Journal of Computer Science and Technology* 24 (5) (2009) 893–900.

[91]. H.T. Nguyen,W. Zhao, J. Yang, A trust and reputation model based on Bayesian network for web services, *IEEE International Conference on Web Services, IEEE* 2010, pp. 251–258.

[92]. P.K. Atrey, M.A. Hossain, A.E. Saddik, Association-based dynamic computation of reputation in web services, *International Journal of Web and Grid Services* 4 (2) (2008) 169–188.

[93]. N.A. Thurow, J.D. Delano, Selection of web services based on opinion mining of free text user reviews, *Proceedings of the International Conference on Information Systems, Association for Information Systems* 2010, pp. 42–51.

[94]. S. Nepal, W. Sherchan, J. Hunklinger, A. Bouguettaya, A fuzzy trust management framework for service web*, IEEE International Conference on Web Services* 2010, pp. 321–328.

[95]. W. Sherchan, S.W. Loke, S. Krishnaswamy, A fuzzy model for reasoning about reputation in web services, *Proceedings of the ACM Symposium on Applied Computing, SAC, ACM 2006,* pp. 1886–1892

[96]. C.-W. Hang, A.K. Kalia, M.P. Singh, Behind the curtain: service selection via trust in composite services*, IEEE 19th International Conference on Web Services, IEEE 2012*, pp. 9–16.

[97]. M. Mehdi, N. Bouguila, J. Bentahar, A QoS-based trust approach for service selection and composition via Bayesian networks, *IEEE 20th International Conference on Web Services, IEEE* 2013, pp. 211–218.

[98]. T. Zhang, J. Ma, C. Sun, Q. Li, N. Xi, Service composition in multi-domain environment under time constraint, *IEEE International Conference on Web Services, IEEE* 2013, pp. 227–234.

[99]. F. Skopik, D. Schall, S. Dustdar, Modeling and mining of dynamic trust in complex service-oriented systems, *Information Systems* 35 (7) (2010) 735–757.

[100]. H. Yahyaoui, A trust-based game theoretical model for web services collaboration, *Knowledge-Based Systems* 27 (2012) 162–169.

[101]. H. Yahyaoui, Trust assessment for web services collaboration, *IEEE International Conference on Web Services, IEEE* 2010, pp. 315–320.

[102]. L. Li, Y. Wang, A subjective probability based deductive approach to global trust evaluation in composite services, *IEEE International Conference on Web Services, IEEE* 2011, pp. 604–611

[103]. B. Khosravifar, J. Bentahar, A.Moazin, Analyzing the relationships between some parameters of web services reputation, *IEEE 19th International Conference on Web Services 2010*, pp. 329–336.

[104]. J. Bentahar, B. Khosravifar, M.A. Serhani, M. Alishahia, On the analysis of reputation for agent-based web services, *Expert Systems with Applications* 39 (16) (2012) 12438–12450.

[105]. B. Khosravifar, J. Bentahar, R. Mizouni, H. Otrok, M. Alishahi, P. Thiran, Agent-based game-theoretic model for collaborative web services: decision making analysis, *Expert Systems with Applications* 40 (8) (2013) 3207–3219.

[106]. S. Elnaffar, Z. Maamar, H. Yahyaoui, J. Bentahar, P. Thiran, Reputation of communities of web services — preliminary investigation, *22nd International Conference on Advanced Information Networking and Applications* — Workshops 2008,pp. 1603–1608.

[107]. B. Khosravifar, J. Bentahar, A. Moazin, Z. Maamar, P. Thiran, Analyzing communities vs. single agent-based web services: trust perspectives, *IEEE International Conference on Services Computing (SCC), IEEE 2010, pp. 194–201.*

[108]. Elizabeth Chang, T.S. Dillon, and F.K. Hussain. Trust and Reputation Relationships in Service-Oriented Environments, In *Information Technology and Applications, 2005. ICITA 2005. Third International Conference on, Vol.* 1, pp. 4-14, 2005.

[109]. Audun Jøsang, Claudia Keser, and Theo Dimitrakos. Can We Manage Trust?. In *Proceedings of the Third International Conference on Trust Management (iTrust'05),* (2005).

[110]. Ferry Hendrikx, Kris Bubendorfer, Ryan Chard, Reputation systems: A survey and taxonomy, *Journal of Parallel and Distributed Computing, Volume 75, January 2015, Pages* 184-197, ISSN 0743-7315

[111]. Xiaofeng Wang; Ling Liu; Jinshu Su, “RLM: A General Model for Trust Representation and Aggregation," Services Computing, *IEEE Transactions on ,* vol.5, no.1, pp.131,143, Jan.-March 2012

[112]. C. E. Rasmussen and C. K. I.Williams. Gaussian Processes for Machine Learning. The MIT Press, 2006. (on line version, last accessed on May 28, 2015 from http://www.gaussianprocess.org/gpml/chapters.

[113]. M.Venanzi, A. Rogers, and N. R. Jennings, “Crowdsourcing Spatial Phenomena Using Trust-Based Heteroskedastic Gaussian Processes,” *First AAAI Conference on Human Computation and Crowdsourcing,* November 7-9, 2013.

[114]. P. Goldberg , C. Williams, and C. Bishop, “C. 1997. Regression with input-dependent noise: A gaussian process treatment.” *Advances in neural information processing systems* vol. 10, 1997, pp. 493–499

[115]. K. Kersting, C. Plagemann, P. Pfaff, and W. Burgard,”Most likely heteroscedastic gaussian process regression,” *Proceedings of the 24th international conference on Machine learning,* ACM , 200, pp. 393–400.

[116]. M. Lzaro-gredilla, and M.K. Titsias, M. K. 2011. “Variational heteroscedastic gaussian process regression,” *Proceeding of the 28th International Conference on Machine Learning (ICML-11), ACM*, pp.841– 848

[117]. D. Luenberger, Linear and Nonlinear Programming, Massachusetts, Addison-Wesley Publishing Company, 1984, pp. 253-254.

[118]. Zhou Jingbo, “Semi-lazy learning approach to dynamic spatio-temporal data analysis”, PhD. Thesis, *Available at : scholarbank.nus.sg › ... › Ph.D Theses › Open (Ph.D Theses)* (Last accessed in 2015)

[119]. Jiliang Tang, Huiji Gao, and Huan Liu. "mTrust: Discerning Multi-Faceted Trust in a Connected World", In *the 5th ACM International Conference on Web Search and Data Mining* (WSDM), 2012

[120]. Coleman, *J.:* Foundations of Social Theory. *Havard University Press, London (1994)*

[121]. K. Govindan and P. Mohapatra, "Trust computations and trust dynamics in mobile adhoc networks: A survey", *IEEE Commun. Surveys & Tutorials*, vol. 14, no. 2, pp. 279-298, 2012

[122]. L. Rabiner, "A tutorial on hidden markov models and selected applications in speech recognition." *Proceedings of the IEEE, 77(2):257 –286, Feb 1989.*

[123]. L. E. Baum, T. Petrie, G. Soules, and N. Weiss. "A maximization technique occurring in the statistical analysis of probabilistic functions of markov chains.", *The Annals of Mathematical Statistics, 41(1):164–171, 1970.*

[124]. A. Dempster, N. Laird, and D. Rubin. Maximum likelihood from incomplete data via the EM algorithm. *J. Royal Statistical Society, Series B, 39(1), 1977.*

[125]. A. Dempster, N. Laird, and D. Rubin, Maximum likelihood from incomplete data via the EM algorithm*, Journal of the Royal Statistical Society Series B (1997), pp 1-38*

[126]. G. Zacharia and P. Maes. Trust management through reputation mechanisms. *Applied Artificial Intelligence, 14(9):881–907, 2000.*

[127]. A. Jøsang and J. Golbeck., "Challenges for robust of trust and reputation systems." In *International Workshop on Security and Trust Management, 2009.*

[128]. S. Buchegger and J.-Y. L. Boudec. A robust reputation system for mobile Ad-hoc networks. *Technical report, P2PEcon, 2003.*

[129]. M. Gerlach. Trust for vehicular applications. In *International Symposium on Autonomous Decentralized Systems, pages 295–304, 2007.*

[130]. J. J. Haas, Y.-C. Hu, and K. P. Laberteaux. Design and analysis of a lightweight certificate revocation mechanism for Vanet. In *ACM International Workshop on VehiculAr InterNETworking, pages 89–98, 2009.*

[131]. P. Golle, D. Greene, and J. Staddon. Detecting and correcting malicious data in vanets. In *ACM International Workshop on Vehicular Ad Hoc Networks, pages 29–37, 2004.*

[132]. C.-W. Hang, Y. Wang, and M. P. Singh. Operators for propagating trust and their evaluation in social networks. In *International Conference on Autonomous Agents and Multiagent Systems, pages 1025–1032, 2009.*

[133]. Haibin Zhang and YanWang, A Novel Model for Contextual Transaction Trust Computation with Fixed Storage Space in E-commerce and E-service Environments, IEEE International Conference on Services Computing (SCC 2013)(CORE2013 rank A conference), pages 667-674, 27 June - 2 July, 2013, Silicon Valley, California, USA.

[134]. E. Damiani, S. di Vimercati, P. Samarati, and M. Viviani. A reputation-based approach for choosing reliable resources in peer-to-peer networks. In *ACM conference on Computer and Communications Security, pages 207–216, 2002*.

[135]. S. Kamvar, M. Schlosser, and H. Garcia-Molina. The eigentrust algorithm for reputation management in p2p networks. In *International World Wide Web Conference, pages 640–651, 2003.*

[136]. L. Page, S. Brin, R. Motwani, and T. Winograd. The pagerank citation ranking: Bringing order to the web, 1999.

[137]. Y. Wang, K.-J. Lin, D. S. Wong, and V. Varadharajan. Trust management towards service-oriented applications. Service Oriented Computing and Applications, *3(2):129–146, 2009.*

[138]. C. Sierra and J. Debenham. Information-based agency. In *International Joint Conference on Artificial Intelligence, pages 1513–1518, 2007.*

[139]. C. Sierra and J. Debenham. The logic negotiation model. In *International Joint Conference on Autonomous Agents and Multiagent Systems, pages 1026–1033, 2007.*

[140]. W. T. L. Teacy, J. Patel, N. R. Jennings, and M. Luck. TRAVOS: trust and reputation in the context of inaccurate information sources. *Autonomous Agents and Multi-Agent Systems, 12(2):183–198, 2006.*

[141]. Y. Wang and E.-P. Lim. The evaluation of situational transaction trust in eservice environments. In *IEEE International Conference of Engineering and Business Education, pages 265–272, 2008.*

[142]. B. Yu and M. P. Singh. An evidential model of distributed reputation management. In *ACM International Conference on Autonomous Agents and Multiagent Systems, pages 294–301, 2002.*

[143]. Y. Wang and M. P. Singh. Formal trust model for multiagent systems. In *International Joint Conference on Artificial Intelligence, pages 1551–1556, 2007.*

[144]. F. Ham, E. Imana, A. Ondi, R. Ford, W. Allen, and M. Reedy. Reputation prediction in mobile ad hoc networks using RBF neural networks. In *International Conference on Engineering Applications of Neural Networks, volume 43, pages 485–494, 2009.*

[145]. Y. Zhang and Y. Fang, "A Fine-Grained Reputation System for Reliable Service Selection in Peer-to-Peer Networks" *IEEE Trans. Parallel and Distributed Systems*, vol. 18, no. 8, pp. 1134-1145, Aug. 2007.

[146]. B. Khosravifar, J. Bentahar, A. Moazin, and P. Thiran, On the reputation of agent-based web services. In *Proceedings of the 24'th AAAI Conference on Artificial Intelligence (AAAI)*, (2010). (pp. 1352–1357).

[147]. T. Strang and C. Linnhoff-Popien, A context modeling survey, In *Workshop Proceedings*, 2004.

[148]. J . Liu and V. Issarny, Enhanced reputation mechanism for mobile ad hoc networks, *Trust Management*, pp. 48–62, 2004.

[149]. M. G. Uddin, M. Zulkernine, and S. I. Ahamed, CAT: a context-aware trust model for open and dynamic systems, In *Proceedings of the 2008 ACM symposium on Applied computing, 2008*, pp. 2024–2029.

[150]. A. Caballero, J. Botía, and A. Gómez-Skarmeta, "On the Behaviour of the TRSIM Model for Trust and Reputation," *Multiagent System Technologies, pp. 182–193, 2007*.

[151]. M. Tavakolifard, S. J. Knapskog, and P. Herrmann, "Trust transferability among similar contexts," In *Proceedings of the 4th ACM symposium on QoS and security for wireless and mobile networks, 2008, pp. 91–97.*

[152]. Eric Schulz, Maarten Speekenbrink, Andreas Krause, "A tutorial on Gaussian process regression with a focus on exploration-exploitation scenarios" doi: http://dx.doi.org/10.1101/095190.

[153]. A. Whitby, A. Josang, and J. Indulska, "Filtering Out Unfair Ratings in Bayesian Reputation Systems," In *Proc. Int'l Joint Conf. Autonomous Agents and Multiagent Systems (AAMAS),* 2004.

[154]. Y. Wang and M.P. Singh, "Trust Representation and Aggregation in Distributed Agent Systems," In *Proc. Int'l Conf. Artificial Intelligence* (AAAI), 2006.

[155]. B. Yu and M.P. Singh, "Detecting Deception in Reputation Management," In *Proc. Int'l Joint Conf. Autonomous Agents and Multiagent Systems (AAMAS)*, 2003.

[156]. D. Nguyen-Tuong and J. Peters, "Local Gaussian process regression for real-time model-based robot control," 2008 *IEEE/RSJ International Conference on Intelligent Robots and Systems*, Nice, 2008, pp. 380-385. doi: 10.1109/IROS.2008.4650850.

[157]. J. Quinonero-Candela and C. E. Rasmussen, "Analysis of some methods for reduced rank Gaussian process regression," in *Lecture Notes in Computer Science*, (R. Murray-Smith and R. Shorten, eds.), pp. 98–127, Springer, 2005

[158]. G. D. Forney, "The viterbi algorithm" *Proceedings of the IEEE*, 61(3):268–278, 1973.

[159]. Joshi K D and Nalwade P S, "Modified K-Means for Better Initial Cluster Centres" *International Journal of Computer Science and Mobile Computing* II, 2013

[160]. Nguyen-Tuong D., Seeger M., Peters J. Real-Time Local GP Model Learning. In: Sigaud O., Peters J. (eds) From Motor Learning to Interaction Learning in Robots. *Studies in Computational Intelligence, vol 264. Springer, Berlin, Heidelberg* ,2010

[161]. Sherchan W, Nepal S, Bouguettaya A (2011) "A trust prediction model for service web". *In: TrustCom,* pp 258–265

[162]. Zibin Zheng, Yilei Zhang, and Michael R. Lyu, "Investigating QoS of Real-World Web Services", *IEEE Transactions on Services Computing* , vol.7, no.1, pp.32-39, 2014.

[163]. Zibin Zheng, Yilei Zhang, and Michael R. Lyu, "Distributed QoS Evaluation for Real-World Web Services," *Proc. of the 8th International Conference on Web Services (ICWS'10)*, Miami, Florida, USA, July 5-10, 2010, pp.83-90.