Publication List

Conferences

[1]. Singh, A. K., Baranwal, N., & Richter, K. F. (2019, September). An Empirical Review of Calibration Techniques for the Pepper Humanoid Robot's RGB and Depth Camera. In Proceedings of SAI Intelligent Systems Conference (pp. 1026-1038). Springer, Cham.

[2]. Baranwal, N., Singh, A. K., & Bench, S. (2019). Extracting Primary Objects and Spatial Relations from Sentences. In 11th International Conference on Agents and Artificial Intelligence, Prague, Czech Republic, 19-21 February 2019..

[3]. Singh, A. K., & Richter, K. F. Conflict Detection and Resolution in Table Top Scenarios for Human-Robot Interaction. In 32nd Swedish AI society workshop

[4]. Singh, A.K., Baranwal, N., Richter, K.F., Hellstr¨om, T., Bensch, S.: Understandable collaborating robot teams. In: International Conference on Robotics and Automation (ICRA) - SUBMITTED - (2019)

[5]. Singh, A.K., Baranwal, N., Richter, K.F., Hellstr¨om, T., Bensch, S.: Verbal Explanations of Robot Teams. In: The Eleventh International Conference on Social Robotics (ICSR) - SUBMITTED - (2019)

[6]. Singh, A. K., Chakraborty, P., & Nandi, G. C. (2015, November). Sketch drawing by NAO humanoid robot. In TENCON 2015-2015 IEEE Region 10 Conference (pp. 1-6). IEEE.

[7]. Singh, A. K., & Nandi, G. C. (2012, October). Face recognition using facial symmetry. In Proceedings of the Second International Conference on Computational Science, Engineering and Information Technology (pp. 550-554). ACM.

[8]. Singh, A. K., Kumar, A., Nandi, G. C., & Chakroborty, P. (2014, July). Expression invariant fragmented face recognition. In 2014 International Conference on Signal Propagation and Computer Technology (ICSPCT 2014) (pp. 184-189). IEEE.

[9]. Singh, A. K., Joshi, P., & Nandi, G. C. (2014, July). Face recognition with liveness detection using eye and mouth movement. In 2014 International Conference on Signal Propagation and Computer Technology (ICSPCT 2014) (pp. 592-597). IEEE.

[10]. Singh, A. K., Joshi, P., & Nandi, G. C. (2013, June). " Development of a Fuzzy Expert System based Liveliness Detection for Biometric Authentication." In 2013 International Conference on Image and Signal Processing (ICISP 2013) Elsevier science and technology, Vol. 4, pp. 96-103.

[11]. Singh, A. K., Baranwal, N., & Nandi, G. C. (2015, August). Human perception based criminal identification through human robot interaction. In 2015 Eighth International Conference on Contemporary Computing (IC3) (pp. 196-201). IEEE.

[12]. Roy, S., Parida, J., Singh, A. K., & Sairam, A. S. (2012, October). Audio steganography using LSB encoding technique with increased capacity and bit error rate optimization. In Proceedings of the Second International Conference on Computational Science, Engineering and Information Technology (pp. 372-376). ACM.

[13]. Singh, A. K., & Roy, S. (2012, March). A network based vulnerability scanner for detecting sqli attacks in web applications. In 2012 1st International Conference on Recent Advances in Information Technology (RAIT) (pp. 585-590). IEEE.

[14]. Srivastava, S., Singh, A. K., & Nandi, G. C. (2012). Inter cipher block diffusion: a novel transformation for proposed parallel AES. Procedia Technology, 6, 872-879.

[15]. Roy, S., Singh, A. K., & Sairam, A. S. (2011, May). Analyzing SQL Meta characters and preventing SQL Injection attacks using meta filter. In Proceedings of International Conference on Information and Electronics Engineering (ICIEE 2011).

Journals

[1]. Singh, A. K., Baranwal, N., & Nandi, G. C. (2019). A rough set based reasoning approach for criminal identification. International Journal of Machine Learning and Cybernetics, 10(3), 413-431.

[2]. Singh, A. K., & Nandi, G. C. (2017). Visual perception-based criminal identification: a query-based approach. Journal of Experimental & Theoretical Artificial Intelligence, 29(1), 175-196.

[3].   Singh, A. K., Baranwal, N., & Nandi, G. C. (2017). Development of a self reliant humanoid robot for sketch drawing. Multimedia Tools and Applications, 76(18), 18847-18870.

[4].   Singh, A. K., & Nandi, G. C. (2016). NAO humanoid robot: Analysis of calibration techniques for robot sketch drawing. Robotics and Autonomous Systems, 79, 108-121.

[5].   Singh, A. K., Joshi, P., & Nandi, G. C. (2014). Face liveness detection through face structure analysis. International Journal of Applied Pattern Recognition, 1(4), 338-360.

[6].   Baranwal, N., Nandi, G. C., & Singh, A. K. (2017). Real-Time Gesture–Based Communication Using Possibility Theory–Based Hidden Markov Model. Computational Intelligence, 33(4), 843-862.

[7].   Baranwal, N., Singh, A. K., & Nandi, G. C. (2017). Development of a Framework for Human–Robot interactions with Indian Sign Language Using Possibility Theory. International Journal of Social Robotics, 9(4), 563-574.

[8].   Roy, S., Singh, A. K., & Sairam, A. S. (2012). A Novel Approach to Prevent SQL Injection Attack Using URL Filter. International Journal of Innovation, Management and Technology, 3(5), 499.

[9].   Roy, S., Singh, A. K., & Sairam, A. S. (2011). Detecting and defeating SQL injection attacks. International Journal of Information *and Electronics Engineering*, *1*(1), 38.