

CONFERENCE PUBLICATIONS

1. **Avinash Kumar Singh** and G C Nandi, “Sketch drawing by Nao Humanoid Robot”, accepted for the publication in 35th IEEE International Conference TENCON 2015, pp. 1-6, Macau, November 1-4, 2015.
2. **Avinash Kumar Singh**, Neha Baranwal, G C Nandi, “Human Perception based Criminal Identification through Human Robot Interaction”, published in Eighth International Conference on Contemporary Computing (IC3), 2015 International Conference on, pp.196-201, 20-22 August 2015.
3. **Avinash Kumar Singh**, Arun Kumar, G C Nandi and Pavan Chakraborty, “Expression Invariant Fragmented Face Recognition”, published in IEEE, International Conference on Signal Propagation and Computer Technology (ICSPCT-2014), organized by Government Engineering College, Ajmer, Rajasthan-India. Digital Library, pp. 184-189 July 2014.
4. **Avinash Kumar Singh**, Piyush Joshi, G C Nandi, “Face Recognition with Liveness Detection using Eye and Mouth Movement”, published in IEEE, International Conference on Signal Propagation and Computer Technology (ICSPCT-2014), organized by Government Engineering College, Ajmer, Rajasthan-India. Digital Library, pp. 592-597 July 2014
5. **Avinash Kumar Singh**, Piyush Joshi, G C Nandi, “Development of a Fuzzy Expert System based Liveliness Detection Scheme for Biometric Authentication” published in Elsevier, 7thInternational Conference on Image and Signal Processing (ICISP-2013), organized by University Visvesvaraya College of Engg. Department of Computer Science and Engineering Bangalore University, Bangalore –India. Digital Library: Vol. 4, pp. 96-103 October 2013.
6. **Avinash Kumar Singh**, G.C Nandi, “Face recognition using facial symmetry” – published in 2nd International Conference on Computational Science, Engineering and Information Technology (CCSEIT-2012), Coimbatore, 2012 in the proceeding of ACM. Digital Library, pp. 550-554, October, 2012.
7. **Avinash Kumar Singh**, Sangita Roy, “A Network Based Vulnerability Scanner for Detecting SQLI Attacks in Web Applications”, published in the proceeding of IEEE 1st International Conference on Recent Advances on Information Technology (RAIT-2012). Digital Library: pp. 585-590, 15-17 March 2012, ISM Dhanbad, Jharkhand, India.
8. Shashank Srivastava, **Avinash Kumar Singh**, G.C. Nandi, “Inter Cipher Block Diffusion: A Novel Transformation for proposed parallel AES”, published in the proceeding of

Elsevier (Procedia Technology), 2nd international conference on communication, computing and security. Digital Library: Vol. 6, pp. 872-879, Oct 6-12.

9. Sangita Roy, **Avinash Kumar Singh**, Jyotirmayee Parida, “Audio Steganography Using LSB Encoding Technique with Increased Capacity and Bit Error Rate Optimization”, published in 2nd International Conference on Computational Science, Engineering and Information Technology (CCSEIT-2012), Coimbatore, 2012 in the proceeding of ACM Digital Library: pp. 372-376, October, 2012.
10. Sangita Roy, **Avinash Kumar Singh**, Ashok Singh Sairam “A Novel Approach to Prevent SQL Injection Attack using Filter”, published in the proceeding of IEEE International Conference on Engineering and Information Management (ICEIM 2011). Digital Library: Vol. 4, pp-139-143, 16-18 April 2011, Chengdu, China.
11. Sangita Roy, **Avinash Kumar Singh** and Ashok Singh Sairam, “Analysing SQL Meta Characters and Preventing SQL Injection Attacks Using Meta Filter”, published in the proceeding of International Conference on Information and Electronics Engineering, ICIEE 2011, IACSIT Press. Digital Library: vol. 6, pp. 167-170, 28-29 May 2011, Bangkok, Thailand.

JOURNAL PUBLICATIONS

1. **Avinash Kumar Singh**, G C Nandi, “Visual Perception based Criminal Identification- a query based approach”, published in “Taylor & Francis International Journal of Experimental & Theoretical Artificial Intelligence. (in press) **SCI-Impact Factor: 1.0**
2. **Avinash Kumar Singh**, **G C Nandi**, “NAO Humanoid Robot: Analysis of Calibration Techniques for Robot Sketch Drawing”, published in “Elsevier International Journal of Robotics and Autonomous Systems”, Vol. 79, pp. 108-121. **SCI-Impact Factor: 1.256**
3. **Avinash Kumar Singh**, Piyush Joshi, G C Nandi, “Face Liveliness Detection through Face Structure Analysis”, published in inderscience “International Journal of Applied Pattern Recognition”, Vol.1, No.4, pp.338 – 360. **E-SCI (Thomson Reuters)**
4. Sangita Roy, **Avinash Kumar Singh** and Ashok Singh Sairam, “Detecting and Defeating SQL Injection Attacks”, published in the proceeding of International Journal of Information and Electronics Engineering (IJIEE), Singapore, Vol. 1 , No. 1 , pp.38-46, July 2011.

5. Sangita Roy, **Avinash Kumar Singh** and Ashok Singh Sairam, “A Novel Approach to Prevent SQL Injection Attack using URL Filter”, published in International Journal of Innovation, Management and Technology, Vol. 3, No. 5, pp 499-502 October 2012.

COMMUNICATED PUBLICATIONS

- **Avinash Kumar Singh**, G C Nandi, “Visual Perception based Criminal Identification- a rough set based reasoning approach”, submitted for the publication in “Elsevier International Journal of Artificial Intelligence”.