**DR. SOUMENDU CHAKRABORTY**

Contact: 08005035200

E-Mail: soumendu@iiitl.ac.in

Website: https://sites.google.com/site/chakraborty0soumendu/

**EDUCATION**

* **Ph.D.** **(Information Technology)** From Indian Institute of Information Technology, Allahabad, in 2018 with 9.50 CPI
* **M.Tech. (CSE)** with Honors from Institute of Engineering and Technology, GLA University, Mathura, in 2013 with 8.64 CPI
* **B.E. (Information Technology)** from University Institute of Technology, The University of Burdwan, Burdwan in 2005 with 72.6 TCPA

**ORGANISATIONAL EXPERIENCE**

**Jan’ 2018 – till date with Indian Institute of Information Technology Lucknow as Assistant Professor**

**Jan’ 2008 - Aug’ 2014 with GLA Institute of Technology and Management, Mathura, GLA University as Assistant Professor**

**Oct’ 2005 - Dec’ 2007 with RVS College of Engineering and Technology, Jamshedpur as Lecturer**

**Awards and Achievements**

1. Received Junior Research Fellowship (2014) and Senior Research Fellowship (2016) from MHRD, Government of INDIA

2. Qualified GATE in 2014

3. Received Mission 10 X Certification from WIPRO Technologies

4. IBM Certified Academic Associate

5. Outstanding Contribution in Reviewing, Journal of Information Security and Applications

**Professional Membership**

* Member IEEE

**PUBLICATIONS**

**International Journal**

* **Soumendu Chakraborty**, Satish Kumar Singh, and Pavan Chakraborty. "R-Theta Local Neighborhood Pattern for Unconstrained Facial Image Recognition and Retrieval."*Multimedia Tools and Applications*, DOI: 10.1007/s11042-018-6846-z, (2018). (Springer) (Impact Factor: 1.54)
* **Soumendu Chakraborty** , Satish Kumar Singh , Pavan Chakraborty , "Centre Symmetric Quadruple Pattern: A Novel Descriptor for Facial Image Recognition and Retrieval." *Pattern Recognition Letters*, vol-115, pp-50-58, doi: 10.1016/j.patrec.2017.10.015, (2018). (Elsevier) (Impact Factor: 1.95)
* **Soumendu Chakraborty**, Satish Kumar Singh, and Pavan Chakraborty. "Local Gradient Hexa Pattern: A Descriptor for Face Recognition and Retrieval." *IEEE Transactions on Circuits and Systems for Video Technology*, vol-28, no-1, pp. 171-180, DOI: 10.1109/TCSVT.2016.2603535, (2018). (Impact Factor: 3.59)
* **Soumendu Chakraborty**, Satish Kumar Singh, and Pavan Chakraborty. " Local Quadruple Pattern: A Novel Descriptor for Facial Image Recognition and Retrieval." *Computers and Electrical Engineering*, vol-62, pp. 92-104, DOI: 10.1016/j.compeleceng.2017.06.013, (2017). (Elsevier) (Impact Factor: 1.74)
* **Soumendu Chakraborty**, Satish Kumar Singh, and Pavan Chakraborty. "Local directional gradient pattern: a local descriptor for face recognition." *Multimedia Tools and Applications*, vol-76, no-1, pp. 1201-1216, (2017). (Springer)(Impact Factor: 1.54)
* **Soumendu Chakraborty**, Anand Singh Jalal, and Charul Bhatnagar. "LSB based non blind predictive edge adaptive image steganography." *Multimedia Tools and Applications*, vol-76, no-6, pp. 7973–7987, (2017).(Springer)(Impact Factor: 1.54)
* **Soumendu Chakraborty**, Anand Singh Jalal, and Charul Bhatnagar. "Secret image sharing using grayscale payload decomposition and irreversible image steganography." *Journal of Information Security and Applications*, vol-18, no-4, pp. 180-192, (2013). (Elsevier) (CiteScore: 2.27)
* **Soumendu Chakraborty** and Anand Singh Jalal. "High capacity secret image sharing using multilayer image steganography with primary cover predictive error." *International Journal of Information and Communication Technology*, vol-9, no-3, pp. 337-355. (Inderscience)
* **Soumendu Chakraborty**, Anand Singh Jalal, and Charul Bhatnagar. "An efficient bit plane X-OR algorithm for irreversible image steganography." *International Journal of Trust Management in Computing and Communications*, vol-1, no-2, pp. 140-155, (2013). (Inderscience)

**International Conference**

* **Soumendu Chakraborty**, Satish Kumar Singh, Pavan Chkraborty, "Performance Enhancement of Local Vector Pattern with Generalized Distance Local Binary Pattern for Face Recognition." In Proc. of the IEEE UP Section Conference on Electrical, Computer and Electronics (UPCON), December 2015.
* Sandeep Rathor, SP Tripathi, **Soumendu Chakraborty**, Anand Singh Jalal, "A payload distribution method for high capacity image steganography." Computer and Communication Technology (ICCCT), 2013 4th International Conference on. IEEE, 2013.

**Professional Activity**

Reviewer

* IEEE Transactions on Circuits & Systems for Video Technology
* IEEE Transactions on Information Forensics and Security
* IEEE Transactions on Intelligent Transportation Systems
* IEEE Signal Processing Letters
* IEEE Access
* International Journal for Light and Electron Optics
* Journal of Ambient Intelligence & Humanized Computing
* Journal of Systems and Software
* Computing and Visualization in Science
* Journal of Information Security and Applications

**WORKSHOPS**

* Attended workshops in:
* Ethical Hacking
* Information Security
* Theory of Computation

**Teaching**

* Compiler Design, Theory of Computation, Computer Organization, Data Structure, Image Processing