Achievements 2015

Ph. D. Awarded

1. Sarkar, Arindam, Assistant Professor, Computer Science, Ramakrishna Mission Vidyapith, Blur, India, "**Towards Design and Implementation of Soft Computing based cryptographic techniques for Wireless Communication**" submitted for Ph. D. (Egg.), Department of Computer Science & Engineering, University of Kalyani, November, 28 2014, awarded on July, 9th, 2015.
2. Mukhopadhyay, Somnath, Assistant Professor, Department of Computer Science & Engineering, Assam University, Silchar, India, "**Estimation, Suppression and Optimization of Impulses in Digital Imagery**", Department of Computer Science & Engineering, University of Kalyani, awarded Ph. D. (Engg.), November, 12 2014, Awarded, July 20, 2015.
3. Sengupta, Madhumita, Assistant Registrar, IIIT Kalyani, India, "**Towards Design and Implementation of Discrete Transform Image Coding based Document Authentication Techniques**" awarded Ph. D. (Egg.), Department of Computer Science & Engineering, University of Kalyani, February, 26 2015, awarded, December, 16, 2015.

SCI Journal

1. D Acharya, A Mukherjee, J K Mandal, N Mukherjee (2015), Activity Recognition System Using Inbuilt Sensors of Smart Mobile Phone and Minimizing Feature Vectors. Microsystem Technology (**IF:1.581**), Springer (2015).
2. Arindam sarkar, Jyotsna Kumar Mandal (2015), Cryptanalysis of Key Exchange Method in Wireless Communication, International Journal of Network Security (SCIMago), Vol.17, No.4, PP.484-493, July 2015
3. *AK Gupta, I Bhattacharya, PS Banerjee, JK Mandal, A Mukherjee, DirMove: direction of movement-based routing in DTN architecture for post-disaster scenario, Wireless Networks (**IF:1.981**), 22(3), pp.723-740,2015*

Book Chapter

1. Sarkar, A., & Mandal, J. K. (2015). Particle Swarm Optimization based Session Key Generation for Wireless Communication (PSOSKG). In A. Bhattacharyya, S., & B. Dutta, P. (Eds.), Handbook of Research on Swarm Intelligence in Engineering, chapter 20, 701 E. Chocolate Ave., Hershey, Pennsylvania (USA): IGI GLOBAL. (Accepted). Indexed by: SCOPUS, Thomson Reuters, DBLP Computer Science Bibliography, ERIC - Education Resources Information Center, and ACM Digital Library, CrossRef., Compendex, PsycINFO, INSPEC, Cabell's Directories, Google Scholar etc., 2015.

Edited Volumes as Volume Editor/Corresponding Editor

1. 9th International Conference on Advanced Computing & Communication Technologies' [9th ICACCT 2015], Asia Pacific Institute of Information Technology, Panipat on 27th-29th November , 2015 14 member of editorial Board of the Proceedings published -Advances in Intelligent Systems and Computing(AISC), Springer Verlag, Switzerland Link: https://books.google.co.in/books?isbn=3319120123, 2015
2. International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2015, 14-16 November,2015 at National Institute of Technology, Durgapur member of editorial Board of the Proceedings published - Advances in Intelligent Systems and Computing(AISC), Springer Verlag, Switzerland Link: https://books.google.co.in/books?isbn=3319120123, 2015
3. Second International Conference on Computer and Communication Technologies, IC3T, 2015, CMR Technical Campus, Hyderabad, 24-26 July 2015, member of Editorial Board of the proceedings Published Advances in Intelligent Systems and Computing (AISC 379,380,381), Springer Verlag, Switzerland 1, Vol 2, Vol 3

Invited Lectures:

No. of Expert/Invited Lecture delivered: 14
Conference attended: 10

Expert Lecture:

1. Security & Authentication in Public Domain Network Anchored with Chaos, 9th International Conference on Advanced Computing & Communication Technologies (9th ICACCT 2015), 28-29th November 2015
2. Image Processing and its Application, Expert lecture for Ph. D. Scholars of Applied Physics Department, Calcutta University, 6th November, 2015.
3. Remote Sensing and Satellite Image Processing, National Seminar, Hijli College,7th October, 2015
4. "Chaos based security and authentication in public domain Networks", Second International Conference on Computer and Communication Technologies, IC3T, 2015, CMR Technical Campus, Hyderabad, 24-26 July 2015, AISC Springer.
5. "Fundamentals of Image Processing in MATLAB", MATLAB Application in Engineering Educations, West Bengal State Council of Technical Education assisted Faculty Development program for Polytechnique College Teachers organized by MCKV institute, Howrah, 6th July 2015.
6. "Chaos based Security and Authentication in public domain Communication, Staff Development program of "Opportunistic Social networks, 29th June to 4th July, 2015, KGEC, Kalyani, 29th June 2015

7. "ANN based Security in Wireless Communications ", International Conference on Nano-electronics, Circuits & Communications Systems (NCCS 2015) on 9th and 10th May 2015 at ARTTC, BSNL, near Jumar River, Hazaribag Road, Ranchi organized by IETE & ISVE Ranchi Centre, 9th May, 2015

8. "Adaptive Image Encryption based on Chaos", National Conference on Computing, Communication and Information Processing", sponsored by AICTE-NEQIP, May 2-3, 2015, CSE, NERIST, Arunachal Pradesh.

9. "Chaos based Image Authentication", One day Seminar on "Current Trends in Image Processing" organized by Ramakrishna Mission Residential College(autonomous), Sarsuna College, in collaboration with Computer Society of India, Kolkata Chapter, 11th April, 2015 (Saturday).

10. "Chaos based Security and Authentication in Communication", "One day Workshop under TEQIP II Programme" organized by MCKV Engineering College, Howrah,4th April, 2015.

11. "Information Security and quality Assurance", "NAAC Awareness Workshop" organized by Internal Quality Assurance Cell (IQAC), Vidyasagar University, Midnapur,1st and 2nd April, 2015.

12. **"**Internet Technology and Image Processing in Open Source", UGC Sponsored Orientation Program conducted by Academic Staff College, Burdwan University, March, 17, 2015.

13. **"**Chaos based Image Authentication", National Conference on Computational Technologies 2015(NCCT'15), 20th February, 2015, Department of Computer Applications, North Bengal University, 2015.

14. Security and Authentication using Chaos Theory, AICTE Sponsored National Conference at Kalyani Govt. Engg. College, 5-6 January 2015.