

Achievements 2016

Ph. D Awarded:

Sudipta Kr. Ghosal, Assistant Professor, Future Institute of Technology, Boral Campus, Kolkata, India, “**Design and Implementation of Transform Domain Watermarking Techniques for Color Image Authentication**” awarded Ph. D. (Engg.), Department of Computer Science & Engineering, University of Kalyani, July 2016.

SCI Journal Papers

1. Utpal Nandi & Jyotsna Kumar Mandal (2016), Efficiency of adaptive fractal image compression with archetype classification and its modifications, International Journal of Computers and Applications, 38:2-3, 156-163; Taylor&Francis (SCIMago)link: <http://dx.doi.org/10.1080/1206212X.2016.1237130>(2016)
2. Singh, M.M. and Mandal, J.K. (2016), “Logistic Regression Based Reliability Analysis for Mobile Ad hoc Network with Fixed Maximum Speed and Varying Pause Times”, Journal of Scientific and Industrial Research. (SCL, IF:537), ISSN: 0022-4456(2016)

Book Chapter:

1. Somnath Mukhopadhyay, J. K. Mandal and Tandra Pal (2016). **Variable length PSO based Image Clustering for Image Denoising** Handbook of Handbook of Research on Natural Computing for Optimization Problems, Hershey, Pennsylvania (USA): Information Science Reference (IGI Global).

Edited Volumes as Volume Editor/Corresponding Editor

1. First International Conference on Intelligent Computing and Communication, (ICIC2- 2016), during 18-19 February 2016 at University of Kalyani, member of editorial Board, Program Chair, Corresponding Editor of the Proceedings published - Advances in Intelligent Systems and Computing(AISC), Springer Verlag, Switzerland Link: <https://books.google.co.in/books?isbn=3319120123>, 2016
2. Information Systems Design and Intelligent Applications Proceedings of Third International Conference INDIA 2016, Volume 1. Volume 2 and Volume 3 at ANITS, Visakhapatnam, 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>, 2016..

Invited Lecture:

No. of Expert/Invited Lecture delivered: 16
Conference attended: 10

Expert Lecture:

1. Neural Synchronization and Nature Inspired Algorithm based Cryptographic Techniques, National Conference of Computing Systems, Computer Science & Application, North Bengal University, 26th February, 2016.,
2. Recent Trends on Network Security, Expert lecture, The Pailan College of Management and Technology, 19th March 2016, Kolkata
3. ANN Anchored Soft Computing based cryptographic Techniques, National Seminar, Vidyasagar University, 29th March 2016
4. Embedded Systems and its Application, Expert Lecture under TEQIP II, department of applied electronic and Instrumentation, heritage Institute of Technology, 31st March, 2016
5. “Nature Inspired Cryptographic Techniques based on Neural Synchronization, National Seminar on Recent Trends in Computing 2016 (RTC 2016) on 4th May, 2016, Wednesday at JIS College of Engineering, Kalyani, India.
6. Security and Authentication, Expert Lecture for Ph. D Scholar workshop, radio physics and Electronics, Calcutta University, 22nd June, 2016
7. “Nature Inspired Cryptographic Techniques based on Neural Synchronization”, Thirteenth International Conference on Wireless and Optical Communications Networks WOCN2016, 21st, 22nd and 23rd of July 2016, Gandhi Institute of Technology and Management GITAM School of Technology Hyderabad Campus Telangana State, INDIA.
8. Security & Authentication in Public Domain Networks, IEEE lecture Series, IEEE Young Professional Society, Kalyani Government Engineering College, 1st September, 2016
9. “Security in Cloud Computing”, National Seminar on Recent Trends in IT” 26th September, 2016, Kolaghat Engineering College, Kolaghat, Midnapur
10. “Security in Cloud”, Staff Development Program at MCKVIE, Howrah, 8th October, 2016,
11. Image Processing, Security and Authentication, Special Lecture Program under TEQIP II, 5th November, 2016
12. “Chaos based Security & Authentication in Public Domain Networks”, International Conference on Computing and Communication Systems - 2016 (I3CS-2016), November 11-13, 2016, North Eastern Hill University, Silchar

13. "Security & Authentication in Public Domain Networks", 10th International Conference on Advanced Computing and Communication Technologies (10th ICACCT 2015), 25-26th November 2016, Asia Pacific Institute of Information Technology, Panipat, Haryana.
14. Transform Domain Watermarking Techniques for Color Image Authentication, IEEE International Conference, 16th December 2016, Techno India University, Kolkata.
15. Chaos based Security & Authentication", Micro 2016, 24-25th December, 2016, Kolkata.
16. "Invisible Steganography and related Applications", Expert Lecture and Interaction Programme with Faculty Members and Scholars of the Department of Computer Science & Engineering, Kathmandu University 27th December 2016, , Kathmandu, Nepal.