

List of Publications of (2013-2014)

Journals

Dr. Nabakumar Pramanik

1. N. Pramanik and S. Chakraborty, "A facile route for the preparation of phosphonic acid grafted nanosized hydroxyapatite biomaterial", *Research Journal of Chemical Science*, vol.3 (2013) pp.1-4.
2. A. Bhunia, A. Bhunia, S. K. Chakraborty, P. Chakraborty, R. S. Goswami, N. Pramanik, M. K. De, P. K. Samanta, C. T. Bhunia, "Review and suggestions for revamping technical higher education in India to meet the challenges of future", *International Journal on Current Science and Technology*, vol.1 (2013) pp.21-29.
3. S. Chakraborty and N. Pramanik, "Characterization of ruthenium based metal complex nanoparticles decorated on carbon supported surface", *Research Journal of Chemical Science*, vol.3, (2013) pp.31-34.

Alak Majumder

1. Alak Majumder, "Design of an H-shaped Microstrip Patch Antenna for Bluetooth Applications," *International Journal of Innovation and Applied Studies*, vol. 3, no. 4, pp. 987–994, August 2013.
2. Alak Majumder, "Design of a Microstrip Patch Antenna for UWB application using CRLH TL", *Electronics Letter (Communicating)*

Swarnendu Kumar Chakraborty

1. Rajat Subhra Goswami, Swarnendu Kumar Chakraborty, Abhinandan Bhunia, C. T. Bhunia' "New Techniques for generating of Automatic Variable Key in Achieving Perfect Security", Communicated to Journal of the Institution of Engineers (India).
2. Rajat Subhra Goswami, Swarnendu Kumar Chakraborty, Abhinandan Bhunia, C. T. Bhunia, "Generation of Automatic Variable Key under various approaches in Cryptography System", Communicated to Journal of the Institution of Engineers (India).
3. Swarnendu K Chakraborty, Rajat S Goswami, Abhinandan Bhunia, Chandan T Bhunia, "Investigation of Two New Protocols of Aggressive Packet combining scheme in achieving better throughput", Communicated to Journal of the Institution of Engineers (India).

4. **Swarnendu K Chakraborty**, Rajat S Goswami, Abhinandan Bhunia, Chandan T Bhunia, “Studies of several new modifications of Aggressive Packet Combining to achieve higher throughput, based on correction capability of disjoint error vectors”, Communicated to Journal of the Institution of Engineers (India).

Rajat Subhra Goswami

1. **Rajat Subhra Goswami**, Swarnendu Kumar Chakraborty, Abhinandan Bhunia, C. T. Bhunia “New Techniques for generating of Automatic Variable Key in Achieving Perfect Security”, Communicated to Journal of the Institution of Engineers (India).
2. **Rajat Subhra Goswami**, Swarnendu Kumar Chakraborty, Abhinandan Bhunia, C. T. Bhunia, “Generation of Automatic Variable Key under various approaches in Cryptography System”, Communicated to Journal of the Institution of Engineers (India).
3. Swarnendu K Chakraborty, **Rajat S Goswami**, Abhinandan Bhunia, Chandan T Bhunia, “Investigation of Two New Protocols of Aggressive Packet combining scheme in achieving better throughput”, Communicated to Journal of the Institution of Engineers (India).
4. Swarnendu K Chakraborty, **Rajat S Goswami**, Abhinandan Bhunia, Chandan T Bhunia, “Studies of several new modifications of Aggressive Packet Combining to achieve higher throughput, based on correction capability of disjoint error vectors”, Communicated to Journal of the Institution of Engineers (India).

Sahadev Roy

1. Santanu Maity, Sahadev Roy, Abhishek Kumar, “Silver nanoparticles to enhance the efficiency of silicon solar cells”, *International Journal of Engineering Science Invention*, Volume 2 Issue 7 PP.101-104
2. Santanu Maity , Abhishek Kumar, Sahadev Roy, Vinay Kumar Dwivedi BalajiTripathi, Ashmit Sharma Dayasagar “FABRICATION OF MICROHEATER AND INTER- DIGITED ELECTRODES ON SILICON PLATFORM FOR LOW POWER IN-TEGRATED GAS SENSOR APPLICATIONS”, *Journal of Research in Electrical and Electronics Engineering*, Volume 2, Issue 4, Pp 6-10
3. Vivek Hanumante, Sahadev Roy, Santanu Maity, “Low Cost Obstacle Avoidance Robot”, *International Journal of Soft Computing and Engineering*, Volume-3, Issue-4, Pp 52-55.

Santanu Maity

1. Santanu Maity, “*Surface voids improvement of front side contact And plasmonic effect in light induced plating of c-si solar cell*”, *International Journal of Engineering Sciences*, 2013
http://www.thescitechpub.com/journals/IJES/ijes_issue.aspx

2. Santanu Maity, Sahadev Roy, Abhishek Kumar, “Silver nanoparticles to enhance the efficiency of silicon solar cells”, *International Journal of Engineering Science Invention*, Volume 2 Issue 7 PP.101-104
3. Santanu Maity , Abhishek Kumar, Sahadev Roy, Vinay Kumar Dwivedi BalajiTripathi, Ashmit Sharma Dayasagar “fabrication of microheater and inter- digited electrodes on silicon platform for low power in-tegrated gas sensor applications”, *Journal of Research in Electrical and Electronics Engineering*, Volume 2, Issue 4, Pp 6-10
4. Abhishek Kumar, Vinay Kumar Dwivedi, Santanu Maity, Mohit Bajaj, “Performance comparison of control algorithms for load compensation using D-satcom under abnormal source voltage”, ICPEE 2013, Thailand
5. Vivek Hanumante, Sahadev Roy, Santanu Maity, “Low Cost Obstacle Avoidance Robot”, *International Journal of Soft Computing and Engineering*, Volume-3, Issue-4, Pp 52-55.

International Conferences

Swarnendu Kumar Chakraborty

1. Rajat Subhra Goswami, **Swarnendu Kumar Chakraborty**, Abhinandan Bhunia, C. T. Bhunia, “Various New Methods of Implementing AVK”, 2nd International Conference on Advances in computer Science & Engineering, CSE2013, 1st – 2nd July’ 2013, Atlantis Press, pp: 149-152.

Rajat Subhra Goswami

1. **Rajat Subhra Goswami**, Swarnendu Kumar Chakraborty, Abhinandan Bhunia, C. T. Bhunia, “Various New Methods of Implementing AVK”, 2nd International Conference on Advances in computer Science & Engineering, CSE2013, 1st – 2nd July’ 2013, Atlantis Press, pp: 149-152.