

List of Publications

Journal Papers:

1. **Debabrata Sarddar**, Shubhajeet Chatterjee, Sougata Chakraborty, Joydeep Banerjee, Pradipta Ghosh, Kunal Hui, and M.K. Naskar, “A Handoff Management in LEO Satellite Network using Angular and Distance Based Algorithm”, International Journal of Computer Applications (0975 – 8887) Vol. 31, No.5, pp. 9-16, October 2011.
2. **Debabrata Sarddar**, Shubhajeet Chatterjee, Arnab Raha, Mustque Ahmed, Pulak Mazumder, Utpal Biswas and M.K. Naskar, “Minimization of Handoff Failure Probability by Using Mother Cell Child Cell Concept”, CiiT International Journal of Programmable Device Circuits and Systems Vol. 3, No.10, pp. 542-549, August 2011.
3. **Debabrata Sarddar**, Shubhajeet Chatterjee, Utpal Biswas, Mandovi Mukherjee, Sreya Mallik, Pulak Mazumder, M.K.Naskar, “Minimization of Handoff Latency by Cell Sectoring Method using GPS”, International Journal of Computer Application (0975-8887) Vol. 25- No.4, pp. 22-29, July 2011.
4. **Debabrata Sarddar**, Shubhajeet Chatterjee, Ramesh Jana, Shaik Sahil Babu, Prabir Kr, Naskar, Utpal Biswas and M.K.Naskar, “Minimization of Handoff Failure by Introducing a New Cell Coverage Area in the Handoff Region”, International Journal of Computer Science issues (IJCSI) Vol. 08, Issue 03, No. 1, pp. 577-583, May 2011, ISSN (Online): 1694-0814.
5. **Debabrata Sarddar**, Shovan Maity, Arnab Raha, Ramesh Jana, Utpal Biswas and M.K.Naskar, “A RSS Based Adaptive Hand-Off Management Scheme In Heterogeneous Networks”, International Journal on Computer Science and Engineering (IJCSI) Vol. 07, Issue 06, pp. 01-07, November 2010, ISSN(Online): 1694-0814.
6. **Debabrata Sarddar**, Joydeep Banerjee, Souvik Kumar Saha, Tapas Jana, Utpal Biswas and M. K. Naskar , “Minimization of Handoff Latency by Co-Ordinate Evaluation Method Using GPS Based Map”, International Journal of VLSI design & Communication System(VLSICS), Vol. 1, No. 2, pp. 37-49, June 2010.
7. **Debabrata Sarddar**, Shovan Maity, Tapas Jana, Arnab Raha, Utpal Biswas and M.K. Naskar, “Signal to Interference Ratio Based Handoff Management for Next-Generation Wireless Systems”, International Journal of Engineering and Technology, Vol.2 (2), 2010, pp. 124-130, May 2010.

Communicating Journal Paper:

1. **Debabrata Sarddar**, “Handover Management in Leo Satellite using area and angle based algorithm”, Journal of the Brazilian Computer Society, Springer.
2. **Debabrata Sarddar, Priyajit Sen**, “Reducing of Frequency Reuse Distance using Sectoring in Mobile Communication”, IEEE Transactions on Mobile Computing, IEEE, ID- TMC-2016-06-0426

Conferences:

1. **Debabrata Sarddar**, Tapas Jana, Joydeep Banerjee, Souvik Kumar Saha, Utpal Biswas and M. K. Naskar, “A Handoff Management for Next Generation Wireless Systems”, The 1st International Conference on Parallel, Distributed and Grid Computing (PDGC-2010), 28-30 Oct, 2010 Sholan, India, pp 230-235.(appeared in IEEE Xplore).IEEE Conference Record Number-17365. ISBN: 978-1-4244-7672-5(print).
2. **Debabrata Sarddar**, Tapas Jana, Tara Sankar Patra, Utpal Biswas and M. K. Naskar, “Fast Handoff Mechanism in WLANs Based on Neighbor Graph Information”, The 1st International Conference on parallel, Distributed and Grid Computing (PDGC-2010), 28-30 Oct, 2010 Sholan, India, pp. 319-323. (appeared in IEEE Xplore).IEEE Conference Record Number-17365. ISBN: 978-1-4244-7672-5(print).
3. **Debabrata Sarddar**, Joydeep Banerjee, Souvik Kumar Saha, Utpal Biswas and M. K. Naskar, “Reducing Handoff Latency in IEEE 802.11b with the Help of Neighbor Graph Using Carrier to Interference Ratio”, International Conferences, NeCoM 2010, WiMoN 2010, WeST 2010, Chennai, India, July 2010, Springer, pp. 421-430.
4. **Debabrata Sarddar**, Joydeep Banerjee, M. K. Naskar, Tapas Jana, Utpal Biswas, “Fast Handoff Implementation Using Distance Measurements between Mobile Station and APs”, International Conferences on Students’IEEE Technology Symposium, 14-16 January 2011 (TechSym-2011), Indian Institute of Technology, Kharagpur, India, pp.81-86.

List of Seminar, Conference and Workshop attended:

- 1.** National Conference on Computing & Systems- 2010 (NACCS – 2010), 29th January. 2010, The University of Burdwan, West Bengal, India.
- 2.** International Conference on Recent Trends in Soft Computing and Information Technology, RTSCIT-09, January 09-10, 2010, Corporate Institute of Science & Technology, Bhopal, India.
- 3.** 2nd National Conference on Communication Networks (NCOCN) in association with Indian Society of Technical Education (ISTE), 8th – 9th April 2010, Vidya Academy of Science & Technology, Thrissur, Kerala, India.
- 4.** Workshop on Modeling and Simulation of Wireless Networks, December 18th – 20th 2008, University of Calcutta, West Bengal, India.
- 5.** Students' Technology Symposium-2011 IEEE (TechSym-2011), 14-16 January, 2011, Indian Institute of Technology, Kharagpur.