Dr. Benudhar Sahu

Department of Electronics and Telecommunication Engineering
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Professional qualification

1. AMIE (India)- Electronics and Communication Engineering from Institution of Engineers (India) -1988

2. Master of Technology- Digital Communications from National Institute of Technology (Bhopal), India- 1998

3. PhD from Electronics and Electrical Communication Engineering Department, Indian Institute of Technology, Kharagpur, India in 2008. Title of the PhD thesis "Synchronization in OFDM Based WLAN Systems and Cross Layer Interaction in Mobile Ad hoc Networks"

Details of professional experience:

1. Bhadrak Institute of Engineering and Technology, Barapada, Bhadrak, Faculty in the department of Electronics and Telecommunication Engineering from 8th September 1989 to July 2002

2. Indian Institute of Technology, Kharagpur, PhD work from July 2002 to July 2007

3. Silicon Institute of Technology, Bhubaneswar, Asst. Professor in the Department of Electronics and Telecommunication Engineering from July 2007 to July 2008

4. Konark Institute of Science and Technology, Jatni, Bhubaneswar, Professor in the Department of Electronics and Telecommunication Engineering from July 2008 till present

Research Interest:

Broadband Mobile Communications, Mobile Ad hoc Networks and Sensor Networks

Research Publications.

1. Benudhar Sahu, Saswat Chakrabarti, S.L.Maskara, "A New Residual Frequency Offset Estimation Scheme for OFDM based WLAN Systems" Journal on Digital signal processing, Elsevier science, 2010

2. Benudhar Sahu, Saswat Chakrabarti, S.L.Maskara," A new timing synchronization scheme for OFDM based WLAN systems," International Journal on Wireless Personal Communications, Springer, 2010.

3. Benudhar Sahu, Saswat Chakrabarti and S.L. Maskara, "Principle of OFDM and its Potential for Application in Mobile Ad-hoc Networks", NSMC-03, pp 55-60.

4. Benudhar Sahu, Saswat Chakrabarti and S.L. Maskara, "Performance Evaluation of AODV Routing Protocol for Mobile Ad-hoc Networks", Proc. of International Conf. on Computers and Devices for Communication, (CODEC-04), Institute of Radio Physics and Electronics, Kolkata, Jan. 1-3, 2004, pp 78.

5. Santosh Kumar, Benudhar Sahu, Saswat Chakrabarti, S.L.Maskara, "Mobile Ad hoc Networks: Problems and Challenges,"International conference on Communications devices and intelligent systems (CODIS-04),Jadavpur University, Kolkata. January 2004.

6. Benudhar Sahu, Saswat Chakrabarti and S.L. Maskara, "Performance Evaluation of AODV and DSR Routing Protocols for Multimedia Services in MANET", Proc. of Zonal Seminar on Broadband Access Technology, (ZSBAT-04), IETE Bhubaneswar, June 5-6 2004.

7. Benudhar Sahu, Debarati Sen, R.V.Raja Kumar, Saswat Chakrabarti, "A frequency offset estimation scheme for OFDM based UWB system," TENCON 06, Hong kong.

Papers Communicated:

8. Benudhar Sahu, Saswat Chakrabarti, S.L.Maskara, "A Physical Layer based Cross-Layer Design Approach for High Speed Mobile Ad hoc Networks," Elsevier journal on ad hoc networks

Bhubaneswar Dr. Benudhar Sahu
Date: 15.06.2010