Rajesh Duvvuru

Current Address:
Rajesh Duvvuru
Assistant Professor,
Dept. of C.S.E,
National Institute Of Technology, Jamshedpur,
Jharkhand, India.
Email: rajeshduvvuru.cse@nitjsr.ac.in
Phone No. : 08002105151 , 09966720920

CAREER OBJECTIVE:

I aspire for a Research position to establish myself as an active researcher in the area of Computer Science related fields.

AREAS OF INTEREST:

Wireless Networks, Sensor Netwroks, Network Security, Spatial Imaging.

EDUCATION:

Master of Technology (June 2010)
Department of Computer Science and Engineering,
RVR & JC College of Engineering, Guntur-522 019, AP, India.
Specialization: Computer Science and Engineering.

Bachelor of Technology (April 2006)
Department of Computer Science and Engineering,
N.B.K.R. Institute of Technology,Nellore-524 413, AP, India.
Specialization: Computer Science and Engineering.

M. TECH THESIS DETAILS:

Automated Scheme for improving security for real-time wireless through packet scheduling: (Thesis supervisor: Dr.B.Ravindra Babu) **Abstract:** A novel Automated Security-Aware Packet Scheduling Strategy or ASPS for real-time wireless links. The ASPS algorithm aims to dynamically determine security levels of packets according to applications' security requirements while guaranteeing deadlines for packet. Apart from achieving high quality of security, ASPS can significantly improve guarantee ratio, which is a fraction of total transmitted packets that are found to be delivered before their deadlines.

The major contributions of this work include (1) an analysis of security and real-time requirements for wireless network; (2) a packet model to specify both timeliness and security requirements; (3) a novel security-aware packet scheduling; (4) a new performance metric integrating both security and real-time performance; (5) a simulator where the ASPS algorithm is implemented and evaluated; and (6) Automatic assigning of security levels to the specific nodes.

TECHNICAL SKILLS:

Programming Languages: C, C++, Java
Applications: Network Simulator-2.

EXTRACURRICULAR ACTIVITIES:
Active participant in various cultural and sports activities at school and college level. Involved in the organizations of cultural and sports activities in college.

PERSONAL DETAILS: *Date of Birth:* 03rd June 1985,
                      Gender: Male

                      Nationality: Indian,

                      Marital Status: Married.
                      Permanent Address : Rajesh Duvvuru,
                                            S/O Raghu Ramaiah D,
                                            D.No-25-1-1974,
                                            N.B.T.Colony,
                                            A.K.Nagar(post),
                                            Nellore-524004,
                                            A.P,India.

PROFESSIONAL EXPERIENCE:

1. Working as a Assistant Professor in Department of CSE at National Inst. Of Technology, Jamshedpur (Feb-2011-till date)

2. As a Assistant Professor in Department of CSE at Priyadharshini Inst. Of Technology, Nellore (July 2010-Jan 2011)

3. As a Teaching Assistant in Department of Computer Science and Engineering, S.V. University college of Engineering , Tirupati (Oct 200 7 - Oct 2008) . Responsible for tutoring and grading of several courses during four years.

4. As a Software Trainee in Virtuoso Soft Tech at Chennai.(May 2006 – Oct 2007).

Reviewer /TPC/ PC-Member (Journals & Conferences):
1. International Journal of Computer Engineering and Applications
2. International Journal of Scientific & Technology Research
3. International Journal of Electrical, Electronics & Computer Science Engineering
4. NCCCS-2012,
5. AICERA 013 (ICMiCR)
6. ISWTA-2013
7. ICACNI 2014
8. CHUSER 2014

Awards and Achievements:

1. Best Paper Award for the research paper titled "Performance impact of TCP and UDP on the Mobility Models and Routing Protocols in MANET" in International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2013) held during 12 - 14 June 2013 organized by Department of Computer Science & Engineering, Central Institute of Technology Raipur, India.

2. Associate Editor for the International Journal of Computer Engineering and Applications.

3. Editor for the International Journal of Advanced research in Science and Engineering. (Final Approval is pending)

Books/ Book Chapters:

1. **Rajesh Duvvuru**, Sunil Kumar Singh, G. Narasimha Rao, Ashok Kote, B.Bala Krishna and M.Vijaya Raju . **Scheme for Assigning Security Automatically for Real-Time Wireless Nodes via ARSA.** Tittle: Heterogeneous Networking for Quality, Reliability, Security and Robustness, QSHINE 2013, SPRINGER, LNICST 115, pp. 185–196, 2013. © Institute for Computer Sciences, Social Informatics and Telecommunications Engineering 2013. ISBN- 978-3-642-37948-2

PUBLICATIONS in 2013:

1. **Rajesh Duvvuru,** P.Jagadeeswara Rao, Sunil Kumar Singh, Rajiv Ranjan Suman, S.N.Singh and Pradeep Mahatho, **Performance Analysis of Multi-Class Steganographic Methods Based on Multi-Level Re-Stegnography.** (Accepted in International conference on Applications of ICT and Critical Infrastructure, CSI 2013, SPRINGER , 48th Annual Convention Computer Society of India, Visakhapatnam, Andhra Pradesh, India, 13th -15th December, 2013)

2. **Rajesh Duvvuru,** P.Jagadeeswara Rao and Sunil Kumar Singh, **Improvizing Security levels in WLAN via Novel BSPS.** (Accepted in IEEE International conference on Emerging Trends in Communication, Control, Signal Processing and Computing Applications, C2SPCA 2013, The Oxford College of Engineering, Banglore, Karnataka, India,10-11 Oct, 2013)0

3. **Rajesh Duvvuru** and Sunil Kumar Singh, **Minimizing Transmission Delay in IPv4 Network to IPv6 Network through ADSTM.** In Proc. Of 15th IEEE International Conference on Advanced Computing Technologies, Annamacharya Institute of Technology & Sciences, Rajampeta, Andhra Pradesh, India,21-22 September, 2013.

4. Sunil Kumar Singh, **Rajesh Duvvuru** and Amit Bhattcharjee. **Performance Evaluation Of Proactive, Reactive And Hybrid Routing Protocols With Mobility Model In MANETS.** In International Journal of Research in Engineering and Technology, Vol-02, Iss-08, August 2013, eISSN: 2319-1163 | pISSN: 2321-7308.

5. Sunil Kumar Singh, **Rajesh Duvvuru** and Jyoti Prakash Singh, **Performance impact of TCP and UDP on the Mobility Models and Routing Protocols in MANET. I**n Proc. Of International Conference on Advanced Computing, Networking, and Informatics, SPRINGER, Central Institute of Technology, Raipur, Chhattisgarh, India,12-14 June, 2013 (It will be published by AISC, Springer)

6. **Rajesh Duvvuru,**Sunil Kumar Singh, Surabh Singh Thakur and S.B.L. Seksena. **Enhanced Secure Online Payment Using Mobile Phone Network Infrastructure and Biometrics.** In Proc. of Second International Conference of Science and Technology and Eyne on Education Methodologies ESTEEM-2013, PPMT, Hisar, India, pp. 40 – 44,March 3-4 2013.

7. **Rajesh Duvvuru,** Naman Choudhary and R. K. Prasad. **Mobile Apps for Accessing the Online University Library Portal using AOS.** In Proc. of National Conference on E-Learning: Tools, Technology and Current Trends, MAIT, Ghaziabad, March 01-02, 2013.

8. **Rajesh Duvvuru**, Sunil Kumar Singh, G. Narasimha Rao, Ashok Kote, B.Bala Krishna and M.Vijaya Raju . **Scheme for Assigning Security Automatically for Real-Time Wireless Nodes via ARSA.** In Proc. Of 9th International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness, QSHINE 2013, SPRINGER, LNICST 115, pp. 185–196, 2013. © Institute for Computer Sciences, Social Informatics and Telecommunications Engineering 2013.

PUBLICATIONS in 2012:

1. Sunil kumar Singh , **Rajesh Duvvuru**, B.BalaKrishna, M.Vjaya Raju. **Proportional Study of Routing Protocols in different Mobility models in Wireless Ad-hoc Networks.** In *Proc. of NCRAEM, 2012*. APRIL, 2012.

2. **Rajesh Duvvuru**, Bangaru BalaKrishna, Ashok Kote and Suprita Das. **Improving Security in Private Cloud through Cryptographic and Biometrics.** *In Proc. Of NCCS 2012, DIAT, Pune, June, 2012*

3. G. Narasimha Rao, R. Ramesh, **D. Rajesh**, D. Chandra sekhar. **An Automated Advanced Clustering Algorithm For Text Classification**. In International Journal of Computer Science and Technology, vol 3,issue 2-4, June, 2012, e**ISSN : 0976 − 8491**,p**ISSN : 2229 − 4333**

4. G.Narasimha Rao, **Duvvuru Rajesh**, V.Chandakala, B.Balakrishna . **A navie Clustering Algorithmfor Text Classification Based on feature vectors.** In Proc. Of NCRTC 2012, Vignan University, Guntur, pp.55-59, July 2012.

PPROJECTS:
1. Currently Working on Security in 'NFC's' and compression in 'IPV4 to IPV6'.
2. Spatial Imaging

Membership in Professional Bodies :
1. Institute of Electrical and Electronics Engineering (IEEE)
2. Association of Computing Machinery (ACM)
3. Computer Society of India (CSI)
4. Computer Science Teachers Association (CSTA)
5. International Association of Engineers (IAENG)
6. International Association of Computer Science and Information Technology (IACSIT)
7. Internet Society (IOS)

WORKSHOP AND STTP:
1. Participated workshop at Andhra University College of Engineering on Wireless Sensor Network Applications for Environmental Monitoring (March 25-26, 2013)
2. Participated workshop at IIT Hyderabad on CPS: Applications and Open Challenges (March 22-23, 2013)
3. Participated at IIT Patna in "Indo-Australian Workshop on Natural Language Processing" (Dec 16th)
4. Participated FDP at CSI Hyderabad Chapter, " Weka- Data mining tool". (June 29th -30th ,2012)
5. Participated Workshop at IIT Hyderabad, "CORD 2012 (Cognitive Radio 2012)". (February 25th,2012)
6. Attended STTP at NIT Surathkal, "Simulation of Wireless Networks using NS-2."(June 20th – 24th ,2011)
7. Attended Workshop at VIT, Vellore, "Cloud Computing."(October 22nd -23rd 2010)

DECLARATION:
I hereby declare that all the above furnished information is true and genuine to the best of my knowledge

Sd/-

PLACE: Jamshedpur   DATE : 28/08/2013   **(Rajesh Duvvuru)**