

Publications

Journal Papers

1. "Design & Simulation of Multicast Based Fast Handoff Scheme for HMIPv6," with Chiranjeev Kumar, Neeraj Tyagi & Rajeev Tripathi Published in the International Journal of Advanced Computer Engineering (IJACE), Vol. 1, No. 2, December 2008.
2. "Improving Throughput of Starved TCP Flow by Sidestepping Bottleneck Nodes Using Concurrent Transmission," with Rajesh Verma, Arun Prakash, and Rajeev Tripathi Published in International Journal of Mobile Computing and Multimedia Communications (IJMCMC), pages 68-83, vol. 2, issue 1, 2010
3. "Energy Efficient Wireless Networks" with Awadhesh Kumar, Ajeet Kumar, Rati Agrawal Accepted for publication in IJCNS May issue (Vol.2 No.5), 2010
4. "Performance Evaluation of Spider Mobility Model using AODV for VANET" with Ravi Shakar Shukla Accepted for publication in Journal of International Academy of Physical Science volume 14, no.2 2010
5. Sandeep Harit, Sachin Saini, Neeraj Tyagi, K K mishra, "RSA Threshold Signature Based Node Eviction in Vehicular Ad hoc Network", Published in International Journal of information Technology, ScienceAlert eISSN: 1812-5646 pISSN: 1812-5638, Newyork, Harvard Press USA.
6. A Novel Energy Aware Data Dissemination Routing Protocol for WSN:Awadhesh kumar, Dr. Neeraj Tyagi, International journal of application or innovativeness in engineering & managements (IJAIEEM) Volume 2, Issue 4, April 2013
7. A Study of Backbone Based Approaches Use for Data Dissemination in Wireless Sensor Network: A Survey Awadhesh Kumar, Neeraj Tyagi, Vinay Kumar, Prabhat Singh International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-2, Issue-6, May 2013
8. Performance Analysis of AODV, CBRP, DSDV and DSR MANET Routing Protocol using NS2 Simulation :Awadhesh Kumar, Dr. Neeraj Tyagi I. J. Computer Network and Information Security, 2013, 9, 45-50
9. "Network Mobility Approach in Vehicular Ad Hoc Network" by Ravi Shankar Shukal and Neeraj Tyagi, in An International Journal of Management and Technology Vol. 3 .No 2. July-December 2012, ISSN 2229-3825.
10. "Routing Algorithm for Heterogeneous Wireless Network in VANET" by Ravi Shankar Shukla and Neeraj Tyagi, in IOSR Journal of Computer Engineering (IOSR-JCE), e-ISSN: 2278-0661, p-ISSN: 2278-8727 Volume 13, Issue 6 (Jul. -Aug. 2013), PP 68-77
11. "Global mobility And Handover management for heterogeneous network in VANETs" by Ravi Shankar Shukla and Neeraj Tyagi, in International Journal of Next-Generation Networks (IJNGN), ISSN : 0975-7023 Online); 0975-7252 (Print), Vol.5, No.3, September 2013.

Conferences Papers

- 1) Accepted for publication " Cell Range and Capability Analysis of WiMax and LTE Network with Sandeep Singh Sengar in International Conference on Parallel, Distributed Computing technologies and Applications (PDCTA-2011) to be held on September 23 –25, 2011, at Tirunelveli, India.
- 2) "Performance Evaluation of Mobility Model and Routing Protocols for Inter Vehicular Communication System." With Ravi S Shukla in International Conference on Networks and Computer Communications (ETNCC2011) April 22 –24 2011, at Udaipur, India

- 3) "A survey on certificate Revocation and CRL Management Based on One Hop Request" with Sandeep Harit and Chandre Shakher Josi in 3rd International Conference on Machine Learning and Computing (ICMLC 2011) held on, February 26-28 2011 Singapore.
- 4) "Refined Approach for Certificate Revocation List Distribution based on One Hop Request" with Sandeep Kumar Harit, Shruti Garg, Vaibhav Bansal, Sushant Singh in 3rd International Conference on Machine Learning and Computing (ICMLC 2011) held on, February 26-28 2011 Singapore.
- 5) "A Refined Approach for Certificate Revocation in Vehicular Ad Hoc Network" with Sandeep Kumar Harit, in 3rd International Conference on Machine Learning and Computing (ICMLC 2011) held on, February 26-28 2011 Singapore.
- 6) "A survey on Wimax –3g Internetworking", with Sandeep Singh Sengar and Akhilendra Pratap Singh in International Conference on Information and Computer Networks Guiyang, China January 26-28 2011.
- 7) "Media Independent Handover for Seamless Mobility in IEEE 802.11 and UTMS based on IEEE 802.11" with Vimal Kumar in International Conference on computer science and Information Technology held at Chengdu, China July 9-11, 2010
- 8) "A Cross layer Seamless Handover Scheme in IEEE 802.11p based Vehicular Network", with Arun Prakash, Sarsij Tripathi, Rajesh Verma, Rajeev Tripathi and Kshirsagar Naik Accepted for publication in 3rd International Conference on Contemporary Computing Aug 9-11 2010.
- 9) "Behavior Analysis to enhance security in VANETS with Ravi Shanker Shukla in 11th International Conference of the International Academy of Physical Science Feb 20-22 2010.
- 10) "Throughput enhancement of starved TCP Flow Through concurrent transmission," with Rajesh Verma, Arun Prakash, and Rajeev Tripathi in WCSN 2009 Fifth IEEE Conference on Wireless Communication and Sensor Networks WCSN-2009: December 15-19, 2009, pp. 199-203.
- 11) "Throughput Enhancement of Multi-hop Static Ad-hoc Networks through Concurrent Transmission," with Rajesh Verma, Arun Prakash, and Rajeev Tripathi Published in the Proceedings of First International Conference on Intelligence, Communication systems and Networks, CICSYN-2009, Indore, India, 23-25 July, 2009 (appeared in IEEE Xplore), pp. 482-485
- 12) "Multi-Objective Optimization of Communication Network Using NSGA" with K. K. Mishra, Sandeep Harit in GEM'09: July 13-16, 2009
- 13) "A Novel Security Protocol for Mobile Ad-hoc Networks using Kerberos", with Sandeep Harit Published in the 2009 International Conference on Wireless Networks (ICWN'09: July 13-16, 2009, USA).
- 14) "A New Route Maintenance in Dynamic Source Routing Protocol", with Ashish K Shukla, published in 1st IEEE International Symposium on Wireless Pervasive Computing, 2006, held on 16-18 June 2006.
- 15) "Improving the performance of Ad hoc On Demand Vector (AODV) Protocol for Mobile Ad hoc Networks", with Trirumalesh Gundla and Rajeev Tripathi at International Conference on Next Generation Communication Systems (ICONGENCOM-2006) held in J K Institute, University of Allahabad, Allahabad, India, December 2006, pp 145-149.
- 16) "Performance Improvement of Mobile IP", with Chiranjeev Kumar and Rajeev Tripathi at International Conference on Next Generation Communication Systems (ICONGENCOM-2006) held in J K Institute, University of Allahabad, Allahabad, India, December 2006, pp 90-94.
- 17) "Performance Improvement of Mobile IP", with Chiranjeev Kumar and Rajeev Tripathi at International Conference on Next Generation Communication Systems (ICONGENCOM-2006) held in J K Institute, University of Allahabad, Allahabad, India, December 2006, pp 90-94.

- 18) "Performance Improvement of Mobile IP with New Route Optimization Technique", with Chiranjeev Kumar and Rajeev Tripathi, published in proceeding of 7th IEEE International Conference on Personal Wireless Communications. ICPWC-2005, held on 23-25 January 2005, pp 522-526.
- 19) "Improving Route Maintenance of Dynamic Source Routing for Mobile Ad-Hoc Networks", with Ashish Kumar Shukla in The First IEEE and IFIP International Conference on wireless and Optical Communications Networks (WOCN'04) June 7-9, 2004 ,Muscat, Oman.

National Conferences Papers

1. "Performance enhancement of multi-hop Ad-hoc Networks through Concurrent Transmission" with Rajesh Verma and Rajeev Tripathi in proceedings of the national seminar on Recent Advances on Information Technology (RAIT-2009), Feb 6-7, 2009 ISM Dhanbad, India, pp 25-29.
2. "Multicast based Fast Hand Off in Hierarchical Mobile IPv6", with P. Thejeswara Reddy, published in the first National Seminar on Emerging Wireless Technology, I2IIT, Pune, India February 2005.