

## **Refereed Journal Papers**

### **Evaluation of Cell Loss Probability of Shared-Memory ATM Switch**

By: Brijesh Kr. Gupta, S.C. Sharma & Mohan Lal

Published in: Journal of Computer Science and Informatics, CSI Vol: 30(4) (Pg 15-20) Date: 2000

### **Fuzzy Logic Control for VBR Traffic in ATM Networks**

By: Brijesh Kr. Gupta, Mohan Lal & S.C. Sharma

Published in: Journal of Computer Science and Informatics, CSI Vol: 31(3) (Pg 35-39) Date: 2001

### **A New Fuzzy Scheme for Multicast Based Shared-Memory ATM Switch**

By: S.C. Sharma, Brijesh Kr. Gupta and Mohan Lal,

Published in: International Journal of Fuzzy Systems and AI Vol: 8(1-3) (Pg 125-136) Date: 2002

### **Distributed Control System and its Future Scope**

By: S.C. Sharma and Sanjeev Gupta

Published in: IPPTA Journal, vol15, No. 2, pp. 61-65, April, 2003. Vol: 15(2) (Pg 61-65) Date: 30/04/2003

### **Analysis and Simulation of Non-Blocking Multiple Input ATM Switches based on Input Queuing**

By: Brijesh Kr. Gupta, S.C. Sharma & Mohan Lal,

Published in: IETE Technical Review Journal Vol: 20(6) (Pg 545-550) Date: 30/12/2003

### **Selection and application of advance control systems: PLC, DCS and PC-based system**

By: Sanjeev Gupta, S. C. Sharma

Published in: JSIR Vol: 64 (Pg 249-255) Date: 04/2005

### **Evaluation of Cell Loss Probability of Non-Blocking Multiple Input ATM Switches**

By: B. K. Gupta, M. Lal and S.C. Sharma,

Published in: Indian Journal of Information Science and Technology Vol: 1(1) (Pg 33-42) Date: 11/2005

### **Design of Temperature and Pressure Control Logic for Coal Fired Fluidized Bed Boiler on DCS**

By: Sanjeev Gupta, S.C.Sharma, and Chhaya Sharma,

Published in: JSIR Vol: 63(1) (Pg 68-73) Date: 30/01/2004

### **An Experimental Design of Controlling Temperature and Pressure For Coal Fired Fluidized Bed Boiler On DCS**

By: Sanjeev Gupta, S. C. Sharma and Chhaya Sharma

Published in: IPPTA Journal, Vol: 16(1) (Pg 59-65) Date: 2004

### **A hybrid Scheme for Handover in ATM Based Personal Communication Network**

By: B. K. Gupta, M. Lal and S.C. Sharma

Published in: International Journal on Wireless and Optical Communications Vol: 3(1) (Pg 69-81) Date: 2006

### **Effect of Interference and Control Error on Cellular Mobile Communication Networks**

By: Shamimul Qamar, Mohan Lal and S.C. Sharma

Published in: Annual Review of Communication, International Engineering Consortium (IEC), Chicago, USA, Vol: 59 (Pg 179-182) Date: 2006

### **Capacity Analysis of CDMA Cellular Mobile Communication Network**

By: Sharma S.C., Lal Mohan, and Qamar S.

Published in: ACCST Research Journal Vol: IV(4) (Pg 27-34) Date: 10/2006

**Diversity for CDMA Communication Network**

By: Lal Mohan, Sharma S.C., and Qamar S.

Published in: ACCST Research Journal Vol: V(1) (Pg 12-22) Date: 01/2007

**Simulation of control loops of pulp bleaching section using distributed control system“ An experimental study**

By: S C Sharma, Sanjeev Gupta, Chhaya Sharma & Raj Kapoor

Published in: Journal of Scientific & Industrial Research, Vol: 66(6) (Pg 431-434) Date: 06/2007

**A Research Review on MANET Protocols**

By: A. K. Jain S.C. Sharma, R Jha, Amit Dixit,

Published in: International Journal of Computer Science and Knowledge engineering (IJCSKE) Vol: 1(1) (Pg 39-46) Date: 12/2007

**Bit Error Rate Analysis of MRC Diversity Techniques in CDMA Communication Network**

By: Amit Dixit, S.C. Sharma, R.P. Vats and A K JAIN

Published in: International Journal of Computer Science and Knowledge engineering (IJCSKE) Vol: 1(1) (Pg 99-107) Date: 12/2007

**Quality of Service in IEEE 802.11 Wireless LAN**

By: A.K.Jain, S.C. Sharma, R. Jha and Amit Dixit,

Published in: International Journal of Hybrid Computational Intelligence (IJHCI) Vol: 1(1) (Pg 1-7) Date: 01/2008

**A Major Research challenge in MANETs-Congestion**

By: A .K. Jain, S.C. Sharma, R. Jha and Amit Dixit,

Published in: International Journal of Computing and Applications. (IJCA) Vol: 2(2) (Pg 143-147) Date: 12/2007

**Trade Offs Between Handover Force Termination & Call Blocking Probabilities in Wireless ATM Networks**

By: Brijesh K. Gupta, S.C. Sharma and Mohan Lal

Published in: International Journal of Hybrid Computational Intelligence (IJHCI) Vol: 1(1) (Pg 33-41) Date: 01/2008

**Performance Analysis of Call Outage in CDMA Communication Network for Hard Handoff**

By: Amit Dixit, S.C. Sharma, R.P. Vats and A. K. Jain

Published in: International Journal of Hybrid Computational Intelligence (IJHCI) Vol: 1(1) (Pg 9-17) Date: 01/2008

**MRC Based Bit Error Rate Analysis in CDMA Communication Network**

By: Amit Dixit, S.C. Sharma, R.P. Vats, A. K. Jain

Published in: MAIMT- National Journal of IT & Management, Vol: 1(2) (Pg 30-38) Date: 2007

**Handoff Algorithms for Cellular Mobile Communication**

By: Shamimul Qamar, Mohan Lal & S.C. Sharma

Published in: International Journal of Hybrid Computational Intelligence (IJHCI) Vol: 1(1) (Pg 125-130) Date: 01/2008

**Capacity Analysis of CDMA System**

By: Amit Dixit, S.C. Sharma, R.P. Vats S. Qamar , and A. K. Jain

Published in: National Journal of System Management (ICFAI-JSM) Vol: 6(1) (Pg 39-47) Date: 02/2008

**Capacity Analysis of CDMA System with VAF**

By: Amit Dixit, S.C. Sharma, R.P. Vats S. Qumar, and A. K. Jain

Published in: ICFAI National Journal of Information Technology (ICFAI-JIT) Vol: 4(1) (Pg 07-15 ) Date: 03/2008

**Secure Cryptology Algorithm (SCA) for Wireless Ad-hoc Sensor Network**

By: Sandip Vijay, S. C. Sharma

Published in: International Transactions on Computer Science and Engineering GESTS, USA. Vol: Vol. 49, No. 1 (Pg 13-28, ISSN: 1738-6438, ISBN: 89-953729-5-8,) Date: 10/2008

**The QPSK Modulated Signal Using the Improved ISIâ€œJF Pulse for Digital Wireless Ad Hoc Communications**

By: Sandip Vijay, S. C. Sharma

Published in: Annual Review of Communications, International Engineering Consortium, USA Vol: 61 Date: 12/2008

**SVâ€™s Energy Efficient Network Design for Real Time Wireless Networks for Unmanned Blimp**

By: Sandip Vijay, S. C. Sharma

Published in: IAENG - International Association of Engineers, London, UK Vol: III (Pg 1745-1750) Date: 07/2008

**Improved Inter Symbol Interference â€œ Jitter Free Coding for Wireless Ad-Hoc Communication**

By: Sandip Vijay, S. C. Sharma

Published in: The ICFAI University Journal of Information Technology, Vol: Vol. IV, No. 3, (Pg 16-24) Date: 09/2008

**SVEEN Model Design Application for Real Time Wireless Networks for Unmanned Machine**

By: Sandip Vijay, S. C. Sharma

Published in: International Journal of Intelligent Information Processing (IJIIP) Vol: 2(2) (Pg 145-158) Date: 12/2008

**A WSN for Distributed Fault Management in Power Systems**

By: Sandip Vijay, S. C. Sharma

Published in: IAENG - International Association of Engineers LS, UK Vol: III (Pg 1869-1874. ) Date: 07/2008

**Energy Efficient Parameters for Controlling Physical Layer of Mobile Ad-hoc Networks**

By: Sandip Vijay, S. C. Sharma

Published in: International Transactions on Computer Science and Engineering GESTS, USA. Vol: Vol. 49, No. 1. (Pg 13-28) Date: 10/2008

**A Secure Gateway Solution for Wireless Ad-Hoc Networks**

By: Sandip Vijay, S. C. Sharma

Published in: International Journal of Computer Science and Applications (IJCSA), Vol: Vol.5 No.4 (Pg 26-44) Date: 12/2008

**Computer Controlled Wireless Ad-hoc Networks for Blimp-SVEEN Application**

By: Sandip Vijay, S. C. Sharma

Published in: International Journal of Intelligent Information Processing (IJIIP), Vol: Vol. 2, No. 2. (Pg 133-144) Date: 12/2008

**Analysis and Effect of Delay & Throughput in Mobile Ad-hoc Network (IEEE 802.11b) for AODV Protocol**

By: Kumar Manoj, S. C. Sharma

Published in: CURIES Journal, ISSN: 0974-1305. Vol: 1(2) (Pg 16-22) Date: 07/2008

**An Analysis of throughput management in wireless ad hoc network**

By: Kumar Manoj, S.C. Sharma & A. K. Jain

Published in: National Journal of IT & Management Vol: 2(1) (Pg 54-60) Date: 10/2008

**Trade-off of various QoS Parameters in Wireless Ad-hoc Network for Different Protocols**

By: Kumar Manoj, S. C. Sharma

Published in: International Journal of Computer Application in Engineering, Technology and Sciences, India Vol: 1(1) (Pg 83-92) Date: oct/2008-mar/2009

**Design and Analysis of BWCM Model for Wireless Ad-hoc Networks**

By: Kumar Manoj, S. C. Sharma & Parmanand

Published in: International Journal of Computer science & Network Security (IJCSNS), KOREA. Vol: 8(11) (Pg 416-422) Date: 11/2008

**Design and Fabrication of GSM Based Robot Control**

By: Leena Arya , S. C. Sharma

Published in: CURIE Journal Vol: 1(4) (Pg 12-16) Date: 01/2009

**Effect of congestion on the performance of IEEE 802.11 network**

By: A.K. Jain, S.C. Sharma, R. Jha & Kumar Manoj

Published in: International Journal Information and Communication Technology (IJICT) Inderscience Publishers, USA Vol: 1(2) (Pg 315-325) Date: 2009

**Performance analysis of call outage in CDMA communication network for soft handoff**

By: Amit Dixit, S.C. Sharma

Published in: International Journal Information and Communication Technology (IJICT) Inderscience Publishers, USA . Vol: 1(2) (Pg 379-386) Date: 2009

**Effect of QoS Parameter in Wireless Ad-Hoc Network (IEEE 802.11b)**

By: Kumar Manoj, A.K. Jain & S. C. Sharma

Published in: International Journal of Hybrid Computational Intelligence, India Vol: 1(2) (Pg 191-196) Date: July-December 2008

**Analysis of Impact of Random Loss In Mobile Ad-Hoc Networks**

By: Kumar Manoj, A.K. Jain & S. C. Sharma

Published in: International Journal of Hybrid Computational Intelligence Vol: 1(2) (Pg 197-203) Date: 12/2008

**Effect of Congestion On The performance of IEEE 802.11 Network**

By: Kumar Manoj, A.K. Jain & S. C. Sharma

Published in: International Journal of Hybrid Computational Intelligence Vol: 1(2) (Pg 139-148) Date: July-December 2008

**Energy Efficient Approach for Emergency Readiness Communications in Wireless Ad-hoc Networks**

By: Sandip Vijay, S. C. Sharma, Vishal Gupta

Published in: International Journal of Recent Trends in Computer Science (IJRTCS), Finland Vol: ISBN 978-952-5726-05-3 (Pg ISBN 978-952-5726-04-6 ) Date: 2009

**Optimization of Co-channel Interference Ratio (CCIR) for Omni-Directional Antenna in Mobile Computing**

By: Santosh Kumar , Sandip Vijay, Hussain Shahnawaz , S. C. Sharma

Published in: International Journal of Recent Trends in Computer Science (IJRTCS), Finland Vol: ISBN 978-952-5726-05-3 (Pg ISBN 978-952-5726-04-6 ) Date: 2009

**Simulation based study of Bit Error Rate in CDMA communication network**

By: Amit Dixit, S.C. Sharma, Sandip Vijay

Published in: International Journal of Computing Science and Communication Technologies, Technia Vol: 1(2) (Pg 17-22) Date: 2009

**Optimal Secure Shortest Path Algorithm in Wireless Ad-hoc Networks under Complex Environment**

By: Sandip Vijay, S. C. Sharma, Parmanand

Published in: Journal of Combinatronics Information and System Sciences, France Vol: Vol. 21, No.3, 2009 (Pg -) Date: 2009

**A Framework for Security Threats of Mobile Ad-Hoc Wireless Networks**

By: Vishal Gupta, S. C. Sharma, Sandip Vijay, Akansha Gupta

Published in: International Journal of Computational Intelligence and Telecommunication Systems (IJCITE) Vol: ISSN No.0973 743X (Pg -) Date: 06/2009

**Fuzzy Approach to Control Moisture Content on a Paper Machine**

By: S.C. Sharma & Chhaya Sharma, Chandan Kumar, Pawan Singh Rajawat, Mrinal Mohindra

Published in: International Journal of Paper Technology, UK Vol: 49(4) (Pg 33-38) Date: 06/2008