

Publications of Dr. Chiranjeev Kumar

International Journal:

1. **Chiranjeev Kumar & Rajeev Tripathi**, “*Adaptation of the Preemptive Handoff Scheme in an Integrated Mobile Communication Environment*,” Published in the *African Journal of Mathematics & Computer Science Research (AJMCSR)*, Vol. 2(8), September 2009, pp. 167-178
2. **Chiranjeev Kumar**, Neeraj Tyagi & Rajeev Tripathi, “*Design & Simulation of Multicast Based Fast Handoff Scheme for HMIPv6*,” Published in the *International Journal of Advanced Computer Engineering (IJACE)*, Vol. 1, Issue 2, July-December 2008, pp. 57-73.

International Conferences:

1. Manoj Kumar Singh & **Chiranjeev Kumar**, “*Advance-AODV: Refinement of AODV Routing Protocol in Wireless Ad Hoc Networks*,” Published in the *Proceedings of the First International Conference on Management of Technologies & Information Security (ICMIS 2010) held at IIT Allahabad, India, 21-24 January 2010*, pp. 346-354.
2. **Chiranjeev Kumar**, Kamalay Kiranmayi, Arpit Bhargava & Debashish Mohanta, “*Efficient Bandwidth Utilization in Mobile Environments for Cache Consistency Using Queried Data (CCUQD) Approach*,” Published in the *Proceedings of the IEEE INDICON –2009 held at DA-IICT, Gandhinagar, India, 18-20 December 2009*, pp. 402-408.
3. Sanjay Kumar Biswash & **Chiranjeev Kumar**, “*Dynamic VLR Based Location Management Scheme for PCS Networks*,” Published in the *Proceedings of the International IEEE Conference on Methods and Models in Computer Science (ICM2CS – 09) held at JNU, New Delhi, India, 14-15 December 2009*, pp. 276-280
4. Koteswararao Kondepu & **Chiranjeev Kumar**, “*An Effective Pointer-Based HLR Location Registration Scheme in Location Management for PCS Networks*,” Published in the *Proceedings of the First IEEE International Conference on COMunication Systems and NETworks (COMSNETS-2009) held at Bangalore, 5-10 January 2009*, pp. 570-571.
5. **Chiranjeev Kumar**, G. R. Madhuri & Shweta Agrawal, “*Efficient Bandwidth Utilization in Mobile Environments for Temporal Based Cache Invalidation*,”

Published in the Proceedings of the IEEE TENCON-2008 held at University of Hyderabad, Hyderabad, 18-21 November 2008.

6. Koteswararao Kondepu, **Chiranjeev Kumar** & Rajeev Tripathi, “**Partially Overlapping Super Location Area (POSLA): An Efficient Scheme for Location Management in PCS Networks**” *Published in the Proceedings of IEEE 67th Vehicular Technology Conference: VTC-2008 Spring held at Marina Bay, Singapore, 11-14 May 2008, pp. 2182-2187.*
7. Srinivasa Reddy Kasu, Santosh Kumar Bellana & **Chiranjeev Kumar**, “**A Binary Countdown Medium Access Control Protocol Scheme for Wireless Sensor Networks,**” *Published in the Proceedings of IEEE 10th International Conference on Information Technology (ICIT-2007) held at NIT, Rourkela (Orissa), India, 17-20 December 2007, pp. 122-126.*
8. **Chiranjeev Kumar**, “**QoS Optimized Dynamic Multicast Routing Using Genetic Algorithm Approach,**” *Published in the Proceedings of 2nd International conference on Advanced Computing & Communication Technologies (ICACCT-2007) held at APIIT SD INDIA, Panipat (Haryana), India, 03-04 November 2007, pp. 80-83.*
9. **Chiranjeev Kumar**, Koteswararao Kondepu & Rajeev Tripathi, “**An Efficient Analytical Method for Location Management Strategy in Cellular Mobile Networks**” *Published in the Proceedings of The World Congress on Engineering & Computer Science (WCECS-2007) organized by The International Association of Engineers (IAENG) held at San Francisco, USA, 24-26 October 2007, pp. 374-379.*
10. **Chiranjeev Kumar** & Rajeev Tripathi, “**Efficient Location Management Scheme for Wireless Networks,**” *Published in the Proceedings of the International Conference on Information & Communication Technology (IICT-2007) held at Dehradun Institute of Technology (DIT), Dehradun, Utranchal, India, 26-28 July 2007, pp. 808-811.*
11. **Chiranjeev Kumar**, Neeraj Tyagi & Rajeev Tripathi, “**Performance Improvement of Mobile IP,**” *Published in the Proceedings of the International Conference on Next Generation Communication Systems – A Perspective (ICONGENCOM-2006) held at J. K. Institute of Applied Physics & Technology, University of Allahabad, Allahabad, India, 09-11 December 2006, pp. 90-93.*
12. **Chiranjeev Kumar**, Hemant Kumar Pande & Rajeev Tripathi, “**A New Boundary Location Register Signaling Protocol for Inter-system Roaming,**” *Published in the Proceedings of 4th IEEE International Conference on Communication Networks and Services Research (CNSR-2006) held at Moncton, New Brunswick, Canada, 23-25 May 2006, pp. 267-273.*

13. **Chiranjeev Kumar** & Rajeev Tripathi, "*Location Management & Handoff Protocol for Wireless ATM Networks*," Published in the Proc. of 2005 IEEE International Conference on Electro Information Technology (EIT-2005) held at Lincoln, NE, USA, **22-25 May 2005, pp. 1-6.**
14. **Chiranjeev Kumar**, Neeraj Tyagi & Rajeev Tripathi, "*Performance of Mobile IP with New Route Optimization Technique*," Published in the Proceedings of 7th IEEE International Conference on Personal Wireless Communications (ICPWC-2005) held at New Delhi, India, **23-25 January 2005, pp. 522-526.**
15. **Chiranjeev Kumar** & Rajeev Tripathi, "*Route Optimization for Better Performance of Mobile IP*," Accepted in IEEE South East Conference on Communication (SouthEastCon 2003) held at Jamaica, West Indies, **04-06 April 2003.**

National Conferences:

1. Dharendra Kumar Sharma, Sanjay Kumar Biswash & **Chiranjeev Kumar**, "*A Survey of Routing Protocols for Mobile Ad Hoc Networks*," Published in the Proceedings of the National Conference on Emerging Trends in Electronics Engineering & Computing (E³C 2010) held at J. D. College of Engineering, Nagpur, **9-10 February 2010, pp. 229-234.**
2. Sanjay Kumar Biswash & **Chiranjeev Kumar**, "*Distance-Direction-Probability Based Location Management Scheme for Wireless Cellular Network*," Published in the Proceedings of the National Seminar on Recent Advances on Information Technology (RAIT – 2009) held at Indian School of Mines University (ISMU), Dhanbad, **6-7 February 2009, pp. 30-38**
3. Mahua Banerjee & **Chiranjeev Kumar**, "*Aspect Oriented Programming: An Alternative Modularization Mechanism*," Published in the Proceedings of the National Seminar on Recent Advances on Information Technology (RAIT – 2009) held at Indian School of Mines University (ISMU), Dhanbad, **6-7 February 2009, pp. 223-230**
4. Mahua Banerjee, **Chiranjeev Kumar** & Sushil Ranjan Roy, "*An Approach to Model Driven Software Development*," Presented at the National Conference on Managing Technology for Organizational Excellence held at Swami Vivekanand Group of Institues (SVGOI), Chandigarh, **23 January 2009.**
5. **Chiranjeev Kumar** & Rakesh Soni, "*Multicast-Based Approach for Micro-Mobility & Comparison of its Handoff Latency with other Micro-Mobility Schemes*," Published in the Proceedings of the National Seminar on Frontiers in Electronics, Communication, Instrumentation & Information Technology (FECIIT-2008) held at Indian School of Mines University, Dhanbad, **13-15 October 2008, pp. 141-150.**

6. **Chiranjeev Kumar & Rajeev Tripathi**, “**A Review of Mobility Management Schemes for the Wireless Networks**,” *Published in the Proceedings of the National Seminar on Frontiers in Electronics, Communication, Instrumentation & Information Technology (FECIIT-2008) held at Indian School of Mines University, Dhanbad, 13-15 October 2008, pp. 109-115.*
7. Koteswararao Kondepu, Manikanta Velaga, & **Chiranjeev Kumar** “**A Pointer-Based HLR Location Management Scheme for PCS Networks**,” *Published in the Proceedings of the National Seminar on Recent Advances on Information Technology (RAIT – 2007) held at Indian School of Mines University, Dhanbad, 26-27 February 2007, pp. 77-85.*
8. **Chiranjeev Kumar & Rajeev Tripathi**, “**Performance Improvement of Mobile Networks**,” *Accepted in the National Conference on Computing & Communication (NCCC-2006) held at Dr. Mahalingam College of Engineering & Technology, Pollachi, 15-16 September 2006.*
9. Gaurav Pathak, **Chiranjeev Kumar & Rajeev Tripathi**, “**Mobile Location Management in Wireless ATM Networks**,” *Published in the Proceedings of National Conference on Research & Practices in Current Areas of IT (RPIT’04) held at SHSL Central Institute of Engineering and Technology (CIET), Longowal, 26-27 March 2004, pp. 236-240.*

Technical Article:

Published a technical article on “**Internet Telephony: PC to PC and PC to Phone Communication**” in *Computer Society of India, Allahabad Chapter, News Letter, vol. 1, Issue 9, April 2002.*