Dr. Rajeev Tripathi
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Educational Qualifications

Ph.D.	Awarded in 1998, from University of Allahabad. Topic: Interconnection Networks: Switching Aspects
Master of Technology (M.Tech.) (Communication Systems)	Awarded in 1992 from University of Allahabad with First Division
Bachelor of Technology (B.Tech.) (Electronics & Telecom. Eng.)	Awarded in 1986 from University of Allahabad with First Division
Bachelor of Science (B.Sc.)	Awarded in 1983 from University of Allahabad with First Division; Physics, Chemistry and Maths as Majors
Intermediate (10+2)	Passed with First Division from UP Board Allahabad in 1981 with Science and Maths
High School	Passed with First Division from UP Board Allahabad in 1979 with Science and Maths

Administrative Experience

1. Professor In charge, Training and Placement, July 2011 – till date
2. Head ECED, July 2011 – July 2013
3. Dean, Academic Affairs, July 2009 – July 2011
4. Chairman, SPGC, Nov. 2005 – July 2009
5. Coordinator, Quality Improvement Program (QIP), Dec. 2005 – till date
6. Faculty In charge, Communications, July 1996 – Jan. 2013
7. Vice-President, Gymkhana, 1998 – 2000
8. Dy-Coordinator, Distant Education Learning Programme.

9. Worked as Member, Executive Committee of IEEE UP Section during 2013.

Awards / Recognitions

1. Visits Abroad
   i. Visited Liverpool John Moorse University, Liverpool, U.K. as research trainee under Indo-UK: REC Project from October 1995 to March 1996.
   ii. Visited School of Engineering Liverpool John Moorse University U.K. as Visiting Faculty under joint research project from May 1998 to June 1998.
   iii. Visited School of Engineering Liverpool John Moorse University U.K. as Visiting Faculty under joint research project from Nov. 1999 to Dec. 1999.
   iv. Visited The University of The West Indies, St. Augustine, Trinidad (WI) as Lecturer from Sep. 2002 to June 2004.
   v. Visited Barbados campus of University of West Indies for monitoring of antenna installation system from June 05-07, 2003.
   vi. Visited Canada in 2006 to present a research paper in IEEE 4th Annual Communication Networks and Services Research Conference held at Moncton New Burnswick, Canada.
   vii. Visited University of Waterloo (UoW), Waterloo, Canada in 2007 for exploring the research collaboration and as a result three Ph.D. students from MNNIT underwent research training (each for six months) at UoW under GSEP of Canada.
   viii. Visited Spain under TEQIP training programme in 2009.
   ix. Visited USA in 2003.
   x. Visited Najaf, Iraq from 20-23 Feb. 2013 to deliver a keynote speech at IEEE International Conference.
2. Worked as expert member of selection committee for faculty recruitment at NIT Jaipur, NIT Raipur, NIT Nagpur, and Dr. APJ Abdul Kalam Technical University, Lucknow.
3. Worked as chairman of the recruitment committee for the recruitment of different technical positions at different levels for Software Technology Parks of India (STPI).
4. Worked as member for selection of director, joint directors, and assistant directors at STPI headquarters New Delhi.
5. Worked as subject expert in the Recruitment and Assessment centre of DRDO.
6. Worked as expert member of Electronics and Communication Engineering in National Board of Accreditation.
7. Worked as member of Information and Communication Technology (ICT) committee at University of Allahabad.
8. Worked as member Research Degree Committee (RDC) at Dr. APJ Abdul Kalam Technical University, Lucknow.
9. Worked as member Board of Studies (BoS) atDr. APJ Abdul Kalam Technical University, Lucknow.
10. Worked as Dy. Coordinator NIMCET-2009, All India Entrance Examination for admissions in MCA program in NITs.
11. Worked as Member Core Committee of Central Counselling Board (CCB-2008) body for admissions at all NIT's IIIT's and other Centrally Funding Institutes.
12. Member of Different Academic Bodies of many Universities as: Dr. APJ Abdul Kalam Technical University, Lucknow, GLA University, Mathura, Allahabad University, SMS Varanasi, LDC Allahabad and SPMIT Allahabad..
13. Worked as member of Advisory Committee and Technical Program Committee for various International Conferences of repute.

Employment Record

Sl. No.	Period From	To	Position Held	Pay Scale	Organization	Nature of work
1.	June 2005	Till date	**Professor**	PB4 AGP 10,000/-	MNNIT Allahabad	Teaching, research and Administrative

2.	June 2004	May 2005	**Reader**	12,000 – 18,300	MNNIT Allahabad	Teaching, research and Administrative
3.	Sep 2002	June 2004	**Lecturer Telecommunication**		The University of The West Indies, St. Augustine, Trinidad (WI)	Teaching and research (on leave from MNNIT Allahabad) Teaching and research
4.	Mar 20, 1999	Sep 2002	**Reader**	12,000 – 18,300	MNNIT Allahabad	
5.	Jan. 2, 1995	Mar 18, 1999	**Senior Lecturer**	8,000 – 13,500	MNNIT Allahabad	Teaching and research
6.	Jan. 4, 1991	Jan. 1, 1995	**Lecturer**	8,000 – 13,500	MNNIT Allahabad	Teaching and research
7.	June 16, 1990	Jan. 1, 1991	**Technical officer (Tele)**	2,200 – 4,000	Cabinet Secretariat, GOI	Operation and management of sophisticated communication system
8.	Sep. 18, 1988	June 15, 1990	Lecturer	2,200 – 4,000 700 - 1600	MNNIT Allahabad	Teaching and research

Teaching Experience

[a] Courses developed/ taught (major)

Sl. No.	Undergraduate	Postgraduate
1.	Data Communication Networks	TCP/IP
2.	Telecommunication Switching	Advance Network Architecture & Protocols
3.	Radar & Satellite Communication	B-ISDN & ATM Networks
4.	Optical Communication	Digital Transmission
5.	Wireless Communication	Mobile Communication
6.	Communication Systems	Performance Engineering of Computer Networks

[b] Research work supervised/supervising

(i) Ph.D. Theses supervised: 16
1. Dr. Manish Kumar
   Topic: QoS Routing for Real-Time Data Transfer in Industrial Wireless Sensor Networks
2. Dr. Shalini Singh
   Topic: Performance of Routing Protocols for MANET with Infrastructure Network
3. Dr. Vinay Kumar
   Topic: Cluster Size Optimization of Wireless Sensor Networks using Efficient Sensing Model and Node Deployment
4. Dr. Richa Agrawal
   Topic: Performance Analysis of MANET Routing Protocols under Security Threats
5. Dr. Prashant Pandey
   Topic: Performance Analysis of Modified Partial Transmit Sequence Technique for PAPR Reduction in OFDM System
6. Dr. Surjeet
   Topic: QoS Constrained Routing for Mobile Ad Hoc Networks
7. Dr. Ashok Kumar Shankhwar

Topic: Design and Performance Evaluation of Generalized Rake Receiver for High Data Rate over Mobile Fading Channels

8. Dr. Arvind Kumar
   Topic: Priority Based Routing Protocol for Wireless Ad-Hoc Networks
9. Dr. Ajay Singh Raghuwanshi
   Topic: Fault Analysis and Modelling of Optimally Clustered Wireless Sensor Networks
10. Dr. Vidya Kant Dwivedi
    Topic: Performance Evaluation of Wireless OFDM System
11. Dr. Rajesh Verma
    Topic: Design and Performance Evaluation of a NOVEL MAC Protocol using Smart Antenna System for Hybrid Wireless Networks
12. Dr. Arun Prakash
    Topic: IP level Mobility Management for Vehicular Networks
13. Dr. Neeraj Tyagi
    Topic: Route Optimization for Mobile IP in Wireless Networks
14. Dr. Hadi K.Mohamad
    Topic: Performance Analysis and Design of Reconfigurable RAKE Receiver for Adaptive Modulation
15. Dr. Chiranjeev Kumar
    Topic: Route Optimization & Mobility Management in Wireless Networks
16. Dr. Manish Rai
    Topic: Performance of CDMA on Wireless Networks

(ii) Ph.D. Thesis supervising: 02

(iii) M.Tech. Thesis supervised: More than 75

(iv) B.Tech. Project supervise: More than 100

Scholarly Publications

[a] Publications

(i) Journals: 53

(ii) Conference Proceedings: 79

[b] Text or Reference Books/Book chapters published/contributed

1. Co-authored a book titled 'Mobile Ad Hoc Networks: QoS Constrained Routing Protocols', Published By 'LAP Lambert Academic Publishing' (2015), ISBN: 978-3-659-31006-5.
2. Co-authored a book titled 'Mobile Ad Hoc Networks: Performance Evaluation of a MAC Protocol for Hybrid Wireless networks', Published By 'LAP Lambert Academic Publishing' (2014), ISBN: 978-3-659-64236-4.
3. Co-authored a book on Mobility Management Techniques for Wireless Networks: Review, Issues, and Design Concepts, ISBN: 978-3-8383-9163-2, LAP LAMBERT Academic Publishing, Germany 2010.
4. Contributed a book chapter titled "Improving Throughput of Starved TCP Flow by Sidestepping Bottleneck Nodes Using Concurrent Transmission" in "Advancing the Next-Generation of Mobile Computing: Emerging Technologies," Published by 'IGI Global' (2012), ISBN: 978-1-4666-0121-5.
5. Contributed a book chapter titled "Extended Mobile IPv6 Route Optimization for Mobile Networks in Local and Global Mobility Domain" in "Advancing the Next-Generation of Mobile Computing: Emerging Technologies," Published by 'IGI Global' (2012), ISBN: 978-1-4666-0121-5.
6. Contributed a book chapter titled "A Cross layer Seamless Handover Scheme in IEEE 802.11p based Vehicular Networks" Volume 95, Part 2, pp. 84-95, Contemporary Computing: Communications in Computer and Information Science, Springer Berlin Heidelberg.
7. Contributed a book chapter titled "An Efficient Routing Protocol for Ad-Hoc Networks" Volume 190, pp. 11-20, Advances in Computing and Communications, Springer Berlin Heidelberg.

8. Contributed a book chapter titled "A Comparative Study of Reactive Routing Protocols for Industrial Wireless Sensor Networks" Volume 115, pp. 148-260, Lecture Notes of the Institute for Computer Sciences, Springer Berlin Heidelberg.

9. Co-authored a book on Microprocessor & Interfaces, S.I. Publications, India 2003.

10. Editor of the Proceedings of ICONGENCOM06, an International Conference on Next Generation Communication Systems held at Allahabad-India.

11. Authored an invited article on *Internet Telephone:* PC to PC & PC to Phone Communication*"* A Technical Article in Computer Society of India, Allahabad Chapter, News Letter, vol. 1, Issue 9, April 2002.

[c] Externally Funded Research Projects

1. Completed a research project on "Performance Analysis and Development of ATM Switch Architecture for B-ISDN" jointly sponsored by Govt. of India and British Govt. under Indo-UK Science and Technology Research Fund. The project is jointly being carried out by Dr. Rajeev Tripathi & Dr. S. Tiwari of M.N.R. Engineering College, Allahabad and Dr. D.M. Harvey and Prof. C.A. Hobson of Liverpool J.M. University, U.K.

2. Completed a project on Telematics and Modernization of Communication Lab. Sponsored by Ministry of Human Resource Development, Government of India.

3. Completed a project on the development of High Speed Network lab. Funded by MHRD, Government of India at M.N. Regional Engineering College, Allahabad.

4. Completed a research project on "Performance Study of Non Blocking (Clos) Network" sponsored by M.N. Regional Engineering College, Allahabad (1998).

[d] Research and Training Experience

1. Undergone six months training in the area of Electronic Circuit Design and Network Design at Liverpool John Moorse University, Liverpool, U.K. from October 1995 to March 1996 under Indo-UK: REC Project.

2. Visiting Faculty at School of Engineering Liverpool John Moorse University U.K. Under joint research project from May 1998 to June 1998.

3. Visiting Faculty at School of Engineering Liverpool John Moorse University U.K. Under joint research project from Nov. 1999 to Dec. 1999.

Other Academic Accomplishments

[a] Workshop/FDP/Short-term courses organised

Sl. No.	In the Capacity of	Title	Duration	Organised at	Sponsors
1.	Coordinator	Mobile, Ad hoc and Vehicular Communication	22-27 July, 2013	MNNIT, Allahabad	MNNIT Allahabad
2.	Chairman	Advance Embedded System and Microelectronics (AESM-2013)	July 15-19, 2013	ECED, MNNIT, Allahabad	MNNIT Allahabad
3.	Chairman	3G Wireless Networks, MIMO Systems and Antenna Design (WINMAD-2013)	July 8-13, 2013	ECED, MNNIT, Allahabad	MNNIT Allahabad
4.	Coordinator	Summer Training Program for	June 2010	ECED MNNIT Allahabad	Self sponsored
5.	Coordinator	Faculty Development Program on Wireless & Mobile Communication Systems	June 30 – July 12, 2008	MNNIT, Allahabad	AICTE/MHRD, Government of India, New Delhi

SI. No.		Title	Duration		
6.	Course Coordinator	"Software Technology and Programming"	One Year & six months 2001-2002	MNNITA	[Self-financed]
7.	Course Coordinator	"Software Technology and Programming"	One Year & six months 2000-01	MNNITA	[Self-financed]
8.	Course Coordinator	"Software Technology and Programming"	One Year & six months 1999-2000	MNNITA	[Self-financed]
9.	Course Coordinator	"Software Technology and Programming"	One Year & six months 1998-99	MNNITA	[Self-financed]

[b] Conference/Seminar/ organised

SI. No.	In the Capacity of	Title	Duration	Organised at	Sponsors
1.	Track Chair	IEEE UP Section Conference on Electrical, Computer and Electronics (UPCON-2015)	Dec. 04-06, 2015	IIIT Allahabad	IEEE
2.	Coordinator	Workshop on Advances in Wireless and Optical Networks (AWON-2014)	June 02-07, 2014	ECEC, MNNIT, Allahabad	TEQIP-II MNNIT, Allahabad
3..	Finance Chair	International Conference on Computer and Communication Technology organized by MNNIT Allahabad for **six consecutive years** (2009-2015)	2009 - 2015	MNNIT Allahabad	IEEE
4.	Publicity Committee Chair	International Conference on Computational Intelligence and Communication Networks CICN-2013	2013	GLA Univ. Mathura, India	IEEE
5.	Convenor	VLSI design and IC CAD	Dec. 4-8, 2008	MNNIT Allahabad	MNNIT Allahabad
6.	Co-Convenor	International Conference on Next Generation Communication Systems (ICONGENCOM-2006)	2006	JK Institute of Applied Physics and Technology, Allahabad, India	Allahabad University
7.	Convenor	VHDL (Active HDL)	One week	MNNIT Allahabad	MNNIT, Allahabad

[c] Reviewer
1. Adhoc Networks, Elsevier
2. Wireless Personal Communication Springer
3. International Journal of Electronics, Taylor and Francis
4. IETE Journal of Research, Taylor and Francis
5. IEEE Communication Letters
6. West Indian Journal of Engineering
7. IEEE UPCON, IIIT Allahabad
8. IEEE Conference on Wireless Communication and Sensor Networks (WCSN), IIIT Allahabad
9. International Conference on Current Trends in Technology, (NUICONE2011), Nirma University, Ahemdabad.
10. IEEE Sponsored Conference "Students' Conference on Engineering and Systems (SCES-2012)", MNNIT, Allahabad.
11. National Conference on Research and Practices in current area of IT (RPIT04) held at SLIT India.
12. First International Conference on Distributed Computing and Internet Technology (ICDCIT2004) December 22-24, 2004.

[d] Invited Lectures
1. Training program of NORTEL Net Knowledge for Telecommunication Engineers at Training Institute of Telecom Services of Trinidad & Tobago (TSTT), Ministry of Telecommunication at Port of Spain in The Republic of Trinidad & Tobago (WI)
2. Delivered special Lectures on Mobile communication at ISM Dhanbad-India.
3. Delivered special Lectures on Media Access at Indian Institute of Information Technology, Allahabad
4. Conducted a 20 days extensive training programme on Data Communications and Networking for Technical Officers of Airport Authority of India at Civil Aviation Training Centre, Bamhrauli, Allahabad, from 31st December, 1999 to 20th January, 2000
5. Delivered special Lectures on Wireless Transmission at IIITM Gwalior
6. Delivered special Lectures on Data Communication at Bundelkhand Institute of Engineering & Technology, Jhansi
7. Delivered special Lectures on Network Architecture and Protocols at KEC, Dwarahat, Uttaranchal
8. Delivered invited talks at IEEE sponsored International Conference on Control, Computing, Communication and Materials (ICCCCM-2013)August 3-4, 2013 jointly organized by Asian Institute of Technology (AIT) and United Institute of Technology, Allahabad.
9. Key note speaker at IEEE Sponsored 2nd Interntional Conference on Information Systems and Computer Networks (ISCON-2014) during March 01-02, 2014 at GLA Mathura.

[e] Membership of Professional Bodies
1. Member IEEE, USA
2. Life Fellow, Institution of Electronics & Telecommunication Engineers (IETE), India
3. Life Member, Institution of Engineers (IE), India
4. Life Member, Indian Society of Technical Education (ISTE), India
5. Life Member, Indian Institute of Public Administration (IIPA), India

[f] Member of Advisory Committee for International Conferences:
1. Communication Systems and Network Technologies 04-06 April 2015 (CSNT-2015)
2. International Conference on Computational Intelligence, Communication Systems and Networks, (CICSYN- 2014), Indore, India.
3. Communication Systems and Network Technologies April 2014 (CSNT-2014)
4. The 2nd *IEEE* International Conference on "Emerging Technology Trends in Electronics, Communication and Networking (*ET2ECN-2014*)" 26-27 Dec, 2014 Sardar Vallabhbhai National Institute of Technology, Surat (Gujrat)
5. Communication Systems and Network Technologies April 2011 (CSNT-2011)
6. Communication Systems and Network Technologies April 2009 (CSNT-2009)
7. International Conference on Computational Intelligence, Communication Systems and Networks, (CICSYN- 2009), Indore, India, 23-25 July, 2009
8. Worked as a Vice Chairman in the 5th All India Students' Conference on Science and Spiritual Quest (AISSQ-2010) at MNNIT Allahabad, U.P., India during 15-17 January 2010

International / National Journals

1. Pawan Kumar Verma, Rajesh Verma, Arun Prakash, Ashish Agrawal, Kshirasagar Naik, **Rajeev Tripathi**, Maazen Alsabaan, Tarek Khalifa, Tamer Abdelkader, Abdulhakim Aboghara, "Machine-to-Machine (M2M) Communications: A Survey," Journal of Network and Computer Applications (JNCA), Elsevier, Vol. 66, 2016, pp. 83–105, DOI:10.1016/j.jnca.2016.02.016.

2. Nishu Gupta, Arun Prakash, and **Rajeev Tripathi**, "Mobility Aware Multihop Clustering based Safety Message Dissemination in Vehicular Ad-hoc Network," International Journal of Computer Science and Information Security (IJCSIS), Vol. 14, Issue 3, 2016, pp. 404-423, DOI: https://dx.doi.org/10.6084/m9.figshare.3154039.

3. Pawan Kumar Verma, Rajesh Verma, Arun Prakash, **Rajeev Tripathi**, and Kshirasagar Naik, "A Scalable Hybrid-MAC Protocol for M2M Networks", International Journal of Big Data Intelligence (IJBDI), Inderscience. (Accepted)

4. Pawan Kumar Verma, Rajesh Verma, Arun Prakash, and **Rajeev Tripathi**, "Throughput-Delay Evaluation of a Hybrid-MAC Protocol for M2M Communications," International Journal of Mobile Computing and Multimedia Communications (IJMCMC), IGI Global, Vol. 7, Issue 1, 2016 pp.41--60, DOI: 10.4018/IJMCMC.2016010104.

5. Pawan Kumar Verma, Arun Prakash, Rajesh Verma, **Rajeev Tripathi**, and Kshirasagar Naik, "Throughput-Delay Evaluation of a Hybrid-MAC Protocol for M2M Communications," International Journal of Mobile Computing and Multimedia Communications (IJMCMC), IGI Global, USA. (Accepted)

6. Krishan Kumar, Arun Prakash and **Rajeev Tripathi**, "Context aware Spectrum Handoff Scheme in Cognitive Radio Vehicular Networks," Int. J. of Ad Hoc and Ubiquitous Computing (IJAHUC), Inderscience, Vol. 23, Issue 3, 2016. (In Press).

7. Nishu Gupta, Arun Prakash, and **Rajeev Tripathi**, "Clustering based Enhanced Safety message Dissemination Medium Access Control Protocol for Vehicular Ad Hoc Network," Int. J. of Ad Hoc and Ubiquitous Computing (IJAHUC), Inderscience, Vol. 23, Issue 3, 2016. (In Press).

8. Manish Kumar, **Rajeev Tripathi** and Sudarshan Tiwari "Real-Time Reliable Routing for Industrial Wireless Sensor Networks," Ad Hoc & Sensor Wireless Networks. (Accepted)

9. V. Kumar, S.B.Dhok, **R.Tripathi** and S. Tiwari "Cluster Size Optimization with Tunable Elfes Sensing model for Single and Multi-hop WSNs" International Journal of Electronics, Taylor and Fransis. (Accepted)

10. Alka Verma, Arun Prakash and **Rajeev Tripathi**, "Sensitivity improvement of graphene based surface plasmon resonance biosensors with chaclogenide prism," Optik - International Journal for Light and Electron Optics, Elsevier, Vol. 127, Issue 4, 2016, pp. 1787–1791, DOI: 10.1016/j.ijleo.2015.11.083.

11. J.B.Maurya, Y.K.Prajapati, Vivek Singh, J. P. Saini and **Rajeev Tripathi**," Improved performance of the surface plasmon resonance biosensor based on graphene or MoS 2 using silicon," Optics communications, Elsevier, Vol. 359, 2016, pp. 426-434, DOI: 10.1016/j.optcom.2015.10.010.

12. Nishu Gupta, Arun Prakash, and **Rajeev Tripathi**, "Medium Access Control Protocols for Safety Applications in Vehicular Ad-Hoc Network: A Classification and Comprehensive Survey," Vehicular Communications, Elsevier, Vol. 2, Issue 4, 2015, pp. 223–237, DOI: 10.1016/j.vehcom.2015.10.001.

13. Krishan Kumar, Arun Prakash and **Rajeev Tripathi**, "Spectrum Handoff in Cognitive Radio Networks: A Classification and Comprehensive Survey," Journal of Network and Computer Applications (JNCA), Elsevier, Vol. 61, 2016, pp. 161–188, DOI:10.1016/j.jnca.2015.10.008.

14. Alka Verma, Arun Prakash, **Rajeev Tripathi**, "Sensitivity enhancement of Surface Plasmon Resonance Biosensor using Graphene and Air gap," Optics communications, Elsevier, Vol. 357, 2015, pp. 106-112, DOI: 10.1016/j.optcom.2015.08.076.

15. Alka Verma, Arun Prakash, **Rajeev Tripathi**, "Performance analysis of graphene based surface plasmon resonance biosensors for detection of pseudomonas-like bacteria," International Journal of Optical and Quantum Electronics, Volume-47, pp. 1197–1205, 2015, Springer publication.

16. J.B.Maurya, Y.K.Prajapati, Vivek Singh, J. P. Saini and **Rajeev Tripathi**," Performance of Graphene-MoS2 based Surface Plasmon Resonance Sensor using Silicon layer," Journal of Optical and Quantum Electronics, Springer publication, Volume 47, number 6, DOI 10.1007/s11082-015-0233-z, 2015, Springer publication.

17. Anurag Upadhyay, Y.K .Prajapati, **Rajeev Tripathi**, Vivek Singh and J.P. Saini, "Metal Clad Waveguide Sensor with Metamaterial Layer for Refractometric Sensing Application," Journal of Nanoelectronics and Optoelectronics, Volume 10, pp. 1-6, 2015, American Scientific Publishers.

18. Manish Kumar, **Rajeev Tripathi** and Sudarshan Tiwari "A Weighted Routing Scheme for Industrial Wireless Sensor Networks" in International Journal of Wireless Networks and Broadband Technologies(IJWNBT) Vol. 4(2), 1-14, April-June 2015.

19. Surjeet Singh, Arun Prakash and **Rajeev Tripathi**, "Bandwidth Constrained Priority-Based Routing Algorithm for Mobile Ad Hoc Networks," IJCNS, SCIRP, USA, ISSN: 1949-2421, Vol. 7, Issue 5, pp.141--150, DOI: 10.4236/ijcns.2014.75016.

20. Vinay Kumar, Sanjay B Dhok, Rajeev Tripathi, Sudarshan Tiwari , "Cluster Size Optimization in Gaussian Distributed Wireless Sensor Networks", International Journal of Engineering and Technology (IJET), Vol.6,No.3, June 2014, PP. 1581-1592.

21. Vinay Kumar, Sanjay B Dhok, Rajeev Tripathi, Sudarshan Tiwar, "A Review Study of Hierarchical Clustering Algorithms for Wireless Sensor Networks", IJCSI International Journal of Computer Science Issues, Vol. 11, Issue 3, No 1, May 2014, PP. 92-101.

22. Vinay Kumar, Sanjay B Dhok, **Rajeev Tripathi**, Sudarshan Tiwari, "A Review Study on Analytical Estimation of Optimal Number of Clusters in Wireless Sensor Networks", Transactions on Networks and Communications, Vol.2, issue 5, Nov. 2014, PP. 75-103.

23. Shalini Singh, **Rajeev Tripathi**, "Performance Analysis of Extended AODV with IEEE802. 11e HCCA to support QoS in Hybrid Network", TELKOMNIKA Indonesian Journal of Electrical Engineering, Vol. 12, Issue 9, Sep. 2014, PP. 6644-6650.

24. M Meftah Alrayes, N Tyagi, **R Tripathi**, AK Misra, KK Mishra, "Enhancement Route Maintenance for Routing Protocol in Wireless Mesh Network", International Journal of Computer and Information Technologies (IJOCIT), 2014.

25. Prashant Pandey, **Rajeev Tripathi**, "Computational Complexity Reduction of OFDM Signals by PTS with Alternate Optimized Recursive Phase Weighting (AO-RPW) Method", International Journal of Computer Applications, Vol. 85, Issue 9, Jan. 2014, PP. 13-18.

26. Mohammad Meftah Alrayes, Neeraj Tyagi, **Rajeev Tripathi**, Arun Kumar Misra and Krishna K. Mishra. "Enhancement Route Maintenance for Routing Protocol in Wireless Mesh Network", International Journal of Computer and Information Technologies, Volume 2, Issue 4 (2014), pp. 507-524,ISSN 2345-3788.

27. Prashant Pandey, **Rajeev Tripathi**, "Computational Complexity and Peak-to-Average Power Ratio Reduction of OFDM Signals by PTS with Sub–optimum Grouping Phase Weighting Method", International Journal of Computer Applications, Vol.79, Oct. 2013.

28. Prashant Pandey, **Rajeev Tripathi**, "Computational Complexity Reduction of OFDM Signals by PTS with Alternate Optimised Grouping Phase Weighting Method", International Journal of Computer Applications, Vol. 78 No.1,Sept. 2013, PP. 1-7.

29. Mohammad Meftah Alrayes, Sanjay Kumar Biswash , NeerajTyagi, **Rajeev Tripathi**, Arun Kumar Misra. "An Enhancement of AODV with Multi-Radio in Hybrid Wireless Mesh Network." In the journal of International Scholarly Research Notices Hindawi Publishing Corporation, Volume 2013, Article ID 925176, 13 pages, http://dx.doi.org/10.1155/2013/925176.

30. S. Singh and **R. Tripathi**, "Optimization in Route Discovery Delay for Integrated MANET with Internet using Extended AODV", International Journal of Computer Applications, Vol. 65, 2013.

31. Arun Prakash, Rajesh Verma, **Rajeev Tripathi**, and Kshirasagar Naik, "A Seamless handover Scheme for Vehicles across Heterogeneous Networks," International Journal of Communication Networks and Distributed Systems (IJCNDS), Inderscience, UK, ISSN: 1754-3924, Vol. 8, Nos. 1/2, 2012, pp. 4—23, DOI: 10.1504/IJCNDS.2012.044320.

32. Arvind Kumar and **Rajeev Tripathi**, "Simulation & Performance Evaluation of QoS Routing Protocol for Adhoc Networks Using Directional Communication", Int. J. Communications, Network and System Sciences, Vol. 5, pp. 825-833, 2012.

33. MHL Rao, **R Tripathi**, "FPGA Implementation of Reconfigurable Switch Architecture for Next Generation Communication Networks", International Journal of Engineering and Technology, Vol. 4, pp. 770-773, 2012.

34. Richa Agarwal, **Rajeev Tripathi** and Sudarshan Tiwari, "Performance Comparison of AODV and DYMO MANET Protocols under Wormhole Attack Environment", International Journal of Computer Applications, Vol. 44, pp. 9-16, 2012.

35. Ajay Singh Raghuvanshi, S.Tiwari, **R. Tripathi**, and N. Kishor, "Optimal Number of Clusters in Wireless Sensor Networks: An FCM Approach," International Journal of Sensor Networks, IJSNet, Inder-Science Publishers,vol.12, No. 1, pp16-24, DOI: 10.1504/IJSNET.2012.047707.

36. Arun Prakash, Sarsij Tripathi, Rajesh Verma, Neeraj Tyagi, **Rajeev Tripathi**, and Kshirasagar Naik, "Vehicle Assisted Cross layer handover scheme in NEMO based VANETs (VANEMO)," International Journal of Internet Protocol Technology (IJIPT) Inderscience, UK, ISSN: 1743-8217, Vol. 6, Nos. 1/2, 2011, pp. 83—95, DOI: 10.1504/IJIPT.2011.040617

37. Ashok K. Shankhwar, Sachin Sharma, Arun Prakash and **Rajeev Tripathi**, "Fast Converging Generalized Turbo Decoding Scheme with Enhanced Throughput for Mobile Radio," Communication and Network, SCIRP, USA, ISSN: 1949-2421, Vol. 5, Issue 1, pp.9--15, DOI: 10.4236/cn.2013.51001.

38. Md. Iftekhar, Ashok K. Shankhwar, Arun Prakash, and **Rajeev Tripathi**, "Performance Evaluation of Adaptive Modulation Based MC-CDMA System," Wireless Engineering and Technology, SCIRP, USA, ISSN: 2152-2294, Vol. 4, Issue 1, pp.54--58, DOI: 10.4236/wet.2013.41008.

39. Surjeet Singh, Arun Prakash and **Rajeev Tripathi**, "QoS Bandwidth Estimation Scheme for Delay Sensitive Applications in MANETs," Communication and Network, SCIRP, USA, ISSN: 1949-2421, Vol. 5, Issue 1, pp.1--8, DOI: 10.4236/cn.2013.51001.

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