CURRICULUM VITAE: Dr. NISHU GUPTA (SM, IEEE)

(Last Updated on 07-11-2019)

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Postdoctoral Research Fellow since Feb 01, 2019 in the Department of Informatics, University of Oviedo, Spain in the project entitled "Context aware and Self-adaptive Safe and Efficient Driving Assistant", under the research group on Systems for Multimedia and the Internet of Things (SMIOT).

(1) Personal Details

1.	Full Name	:	Dr. NISHU GUPTA
2.	Educational Qualification	:	B.Tech., M.Tech., Ph.D.
3.	Date of Birth	:	06-12-1982
4.	Overall Professional Experience	:	8 years (excluding Ph.D. and PDF)
	4.1. Pre Ph.D. Teaching experience	:	2 years
	4.2. Post Ph.D. Teaching experience	:	3 years
	4.3. Industrial work experience	:	3 years
5.	Father's and Mother's Name	:	Prof. K.M. Gupta and Mrs. Rita Rani Gupta
6.	Present Designation & Employment	:	Assistant Professor, ECE Dept., Vaagdevi College of Engineering, Warangal, Telangana, India

(2) Academic Achievements Summary

(i)	Patent filed	:	3 published, awaiting examination
(ii)	Research Projects	:	1 Funded Project from Nokia and 1 submitted to SERB, Govt. of India
(iii)	Research Publications	:	30
	(a) In IEEE Transactions	:	1 under review
	(b) In SCI Indexed Journals	:	7 + 3 under review
	(c) In Scopus Indexed Journals	:	7
	(d) In International Conferences	:	15 + 2 accepted/under publication
(iv)	Reviewer of Journals/Book Chapters	:	15
(v)	Conference Chair	:	2
(vi)	Conferences Attended Abroad	:	8
(vii)	Member of Professional Bodies	:	7
(viii)	Book Publication	:	2 + 5 ongoing (2 with Springer, and 1 each with CRC Press, Cambridge Scholars, and Scrivener/Wiley)
(ix)	Book Chapters	:	1 chapter published in Springer
(x)	Short Term Course Organized	:	2
(xi)	Served in Conference Committees	:	7
(xii)	M.Tech. Thesis Guided	:	2 + 2 ongoing
(xiii)	B.Tech. Project Guided	:	13 + 2 ongoing
(xiv)	Honors and Recognition	:	14
(xv)	Invited Speaker	:	7
(xvi)	Administrative/Academic Duties	:	6 at present and 23 served

Interested Research Areas: Autonomous Vehicles, Edge Computing, Augmented Intelligence, Deep Learning, Ad-Hoc Networks, Vehicular Communication, Driving Efficiency, Cognitive Computing, Internet of Things, Internet of Vehicles, Human-Machine Interaction, Nano-sensor Network, Nano-communication & Networking.

(3) Topic of Ph.D. Thesis: Mobility Aware Clustering Based MAC Protocol for Safety Message Dissemination in Vehicular Adhoc Network.

(4) Research & Academic Excellence

(i) **Potential Inventor of Nokia** for its Open innovation initiative "*Invent With Nokia*".

(ii) Awarded **Best Presentation** at 2019 IEEE 4th International Conference on Computer and Communication Systems held at NTU Singapore on February 23-25, 2019.

(iii) Designated as **Conference Chair** at Global 2020 Congress on Networking and Communications, March 6-8, 2020, Athens, Greece.

(iv) Designated as **Conference Chair** at 1st International Conference on Vehicular Systems, Networks and Technologies, 6-8 March 2020, Athens, Greece.

(v) **Applicant and Inventor** of Patent filed on June 21, 2019, **published** on the Government website of Indian Patent Office for an Invention entitled "*Rain Intensity Aware Self-Activating Wiper Enabled Smart Helmet*". Patent Application Number: 201941024837.

(vi) **Applicant and Inventor** of Patent filed on June 11, 2019, **published** on the Government website of Indian Patent Office for an Invention entitled "*Smart Alert System for Proactive Monitoring of Patient Medication*". Patent Application Number: 201941023096.

(vii) **Applicant and Inventor** of Patent filed on November 6, 2018, **published** on the Government website of Indian Patent Office for an Invention entitled "*Smart Communication Paradigm for Enhanced Vehicular Safety*". Patent Application Number: 201841041997.

(viii) **Submitted as Principal Investigator** a proposal entitled "*Deploying deep learning algorithms through artificial intelligence in wireless networks for enhanced robustness in RF systems*" to Science and Engineering Research Board (SERB), Govt. of India, on June 09, 2019.

(ix) Awarded Certificate for **Outstanding Contribution in Reviewing** by the Vehicular Communications, Elsevier, indexed in SCI in July 2018.

(x) Awarded Certificate for **Outstanding Contribution in Reviewing** by the Journal Computer Networks, Elsevier, indexed in SCI in July 2017.

(5) Acting as Reviewer of International Journals

(i) IEEE Access (SCI Indexed)

(ii) IEEE Transactions on Intelligent Transportation Systems (SCI Indexed)

(iii) IET Communications (SCI Indexed)

(iv) KSII Transactions on Internet and Information Systems (SCI Indexed)

(v) Computer Networks, Elsevier (SCI Indexed)

(vi) Adhoc Networks, Elsevier (SCI Indexed)

(vii) Vehicular Communication, Elsevier (SCI Indexed)

(viii) Journal of Parallel and Distributed Computing, Elsevier (SCI Indexed)

(ix) Ad Hoc & Sensor Wireless Networks, Old City Publishing (SCI Indexed)

(x) International Journal of Numerical Modelling: Electronic Networks, Devices and Fields (SCI)

(xi) Journal of Organizational and End User Computing (JOEUC), IGI Global (SCI Indexed)

(xii) Journal of King Saud University-Computer and Information Sciences, Elsevier (ESCI Indexed)

(xiii) International Journal of Electrical and Electronic Engineering & Telecommunications (Scopus)

(xiv) The Open Transportation Journal, Bentham Open (Scopus Indexed)

(xv) EAI/Springer Innovations in Communications and Computing, by Springer International.

(6) Employment Records (In reverse chronological order)

Teaching Experience: 5 years　　　　　　　　**Professional Experience: 3 years**

Sl. No.	Designation held	Period	Name of Employer	Nature of Appointment	Duration
			Post-Ph.D. Experience		
1	Assistant Professor	02.01.2018 to Till date	Vaagdevi College of Engineering, Warangal, India	Regular	1 year 10 months
2	Assistant Professor	11.08.2016 to 30.12.2017	Shri Ramswaroop Memorial University, Lucknow, India	Regular	1 year 4 months
			Pre-Ph.D. Experience		
3	Visiting Faculty	25.07.2012 to 31.12.2012	MNNIT Allahabad, India	Contract	5 months
4	Assistant Professor (Adhoc)	30.01.2012 to 06.07.2012	National Institute of Technology Sikkim, India	Adhoc	5 months
5	Guest Faculty	25.07.2011 to 28.01.2012	MNNIT Allahabad, India	Contract	6 months
6	Lecturer	30.01.2009 to 28.08.2009	Noida Institute of Engineering and Technology, Greater Noida	Regular	8 months
7	Technical Associate	14.07.2008 to 19.12.2008	Tech Mahindra Limited, India	Regular	6 months
8	Software Engineer	26.12.2005 to 04.07.2008	Infosys Technologies Limited, India	Regular	2 years 6 months

(7) Academic Qualification

Academic qualification	Major Stream	Institute/ University	Division	Year
Postdoctoral Fellow (PDF)	Context aware and self-adaptive safe and efficient driving assistant	Systems for Multimedia and the Internet of Things (SMIOT) Group, Department of Informatics, University of Oviedo, Gijón Campus, Spain	NA	01 Feb 2019 till date
Ph.D.	Electronics and Communication	MNNIT Allahabad, India	1st	2016
M. Tech.	Nanoscience and Technology	Delhi Technological University, Delhi, India	1st	2011
B. Tech.	Electronics and Communication Engg.	BBDNITM, U.P. Technical University, Lucknow, India	1st	2005
Intermediate	Maths Stream	Maharishi Patanjali Vidya Mandir, Allahabad, India	1st	2000
High School	Maths Stream	Maharishi Patanjali Vidya Mandir, Allahabad, India	1st	1998

(8) Book Publication

(i) Book (2nd Ed.) by Nishu Gupta, entitled "*Advanced Electrical and Electronic Materials*" to be published by Scrivener Publishing/Wiley, USA.

(ii) Book (edited) by Nishu Gupta, Joel J.P.C. Rodrigues, Justin Dauwels entitled "*Augmented Intelligence Towards Smart Vehicular Applications*" to be published CRC Press, Taylor & Francis Group.

(iii) Book (edited) by Nishu Gupta, Victor Leung, Esma Aimeur, Sara Paiva, Raluca Maria Aileni entitled "Everything Smart: Future IoT Applications" to be published by Cambridge Scholar Publishing, UK.

(iv) Book (edited) by Nishu Gupta, Arun Prakash, Rajeev Tripathi entitled "Internet of Vehicles and its Applications in Autonomous Driving" to be published by Springer.

(v) Book (edited) by Nishu Gupta, Sara Paiva entitled "Role of IoT and ICT in Healthcare Applications" in press, to be published in EAI/Springer Innovations in Communications and Computing

(vi) Book chapter by Sara Paiva, Nishu Gupta entitled "Technologies and Systems to Improve Mobility of Visually Impaired People: A State of the Art" published in a book titled "Technological Trends in Improved Mobility of the Visually Impaired". Book series 'Innovations in Communications and Computing' by EAI/Springer, Springer International. doi: 10.1007/978-3-030-16450-8, pp. 105-123. https://link.springer.com/chapter/10.1007/978-3-030-16450-8_5

(vii) K.M. Gupta, Nishu Gupta, "Advanced Semiconducting Materials and Devices", published by Springer International Publishing, Switzerland, ISBN: 978-3-319-19757-9, 2015. doi: http://dx.doi.org/10.1007/978-3-319-19758-6

(viii) K.M. Gupta, Nishu Gupta, "Advanced Electrical and Electronics Materials: Processes and Applications", published by both: Scrivener-Wiley, and John Wiley & Sons, the USA and Canada, ISBN: 978-1-118-99835-9, 2015. doi: http://dx.doi.org/10.1002/9781118998564

(9) Academic Events Organized

(i) **Organized as Convener** "1st Student's Project Innovation Contest in ECE" (SPICE-2019) on February 27, 2019 at ECE Department, Vaagdevi College of Engineering, Warangal.

(ii) **Organized as Convener** Six days Short Term Training Course on "MATLAB PROGRAMMING: FROM INTRODUCTION TO ESSENTIALS" during March 25-31, 2017 at Institute of Technology, Shri Ramswaroop Memorial University, Lucknow.

(iii) **Organized as Convener** One week Short Term Training Program on "DESIGNING, SIMULATION AND MODELING OF ELECTRONIC CIRCUITS" during September 18-23, 2017 at Institute of Technology, Shri Ramswaroop Memorial University, Lucknow.

(10) Citation Index of Published Work (extracted from Google scholar)

- Most cited paper: https://www.journals.elsevier.com/vehicular-communications/most-cited-articles

(11) Acting as Member of Professional Organization and Editorial Board

(i) Senior Member, IEEE & IEEE Young Professional; Membership No. 93174157.
(ii) European Alliance for Innovation (EAI), European Union, in publishing partnership with Springer.
(iii) Institute of Doctors, Engineers and Scientists (IDES), Netherlands; Membership No. 5049.
(iv) International Association of Computer Science and Information Technology (IACSIT), Singapore; Membership No. 80343817.
(v) International Association of Engineers (IAENG), Hong Kong; Membership No. 183969.
(vi) International Association of Advanced Materials (IAAM), Sweden; Membership No. 821261912403.
(vii) Science and Engineering Institute (SCIEI), USA, Membership No. 20121008001.

(12) Honors and Recognitions

1. Honoured as **International Advisory Board member (Editorial Board)** in International Journal of End-User Computing and Development (IJEUCD), IGI-Global, SCI Indexed.

2. **Invited Speaker** at European Congress on Nanotechnology and Materials Science Engineering", May 13-14, 2019, Brussels, Belgium.

3. **Invited Speaker** at an event organized by IEEE Circuits and Systems Society Student Branch Chapter, VCE Warangal on "Quantum Dot Technology" on 5th January 2019 at Vaagdevi College of Engineering, Warangal.

4. **Invited Speaker** in Two Day National Level Workshop on Electronic Circuits Simulation and Formatting Tools for Engineering Applications during September 24-25, 2018 at Department of Electronics and Communication Engineering, Vaagdevi College of Engineering, Warangal.

5. **Invited Speaker** at an event organized by IEEE Hyderabad Section on "How to Write a Technical Paper" on October 6, 2018 at Vaagdevi College of Engineering, Warangal.

6. **Invited Speaker** at 20th World Summit on Nanotechnology and Expo (Nanotek-2018) during October 5-6, 2018 at Los Angeles, USA.

7. **Invited Speaker** at Conference on Wireless & Telecommunication during September 17-18, 2018 at Lisbon, Portugal.

8. Designated as **Session Co-chair** in the 15th International Conference on Wireless Networks and Mobile Systems (WINSYS 2018), Porto, Portugal, July 26-28, 2018.

9. Designated as **Publicity Co-chair** for the 8th International Conference on Advanced Materials Research (ICAMR 2018), Fukuoka, Japan, January 20-22, 2018.

10. Designated as **Publicity Co-chair** for the 7th International Conference on Advanced Materials Research (ICAMR 2017), Hong Kong, January 20-22, 2017.

11. Recipient of MHRD-Govt. of India 'Scholarship' during Ph.D. programme from July 2013 till Thesis submission in July 2016.

12. Designated as Program Co-chair for the 6th International Conference on Advanced Materials Research (ICAMR 2016), Torino, Italy, January 22-24, 2016.

13. Invited Speaker at 20th Annual International Conference on Composites or Nano Engineering, ICCE-20 Beijing, China, July 22-28, 2012.

14. Shortlisted for interview by ministry of HRD, Government of India for Commonwealth Scholarship/Fellowship Plan 2012, sponsored by Commonwealth Scholarship Commission, Government of the U.K. to pursue Ph.D. in the U.K.

(13) Conferences Attended Abroad

S.No.	Place/Country	Date of Conference	Conference Details
1.	Singapore	February 23-25, 2019	IEEE 4th International Conference on Computer and Communication Systems, ICCCS 2019.
2.	Hong Kong	January 20-22, 2017	7th International Conference on Advanced Materials Research, ICAMR-2017.
3.	Bangkok, Thailand	April 8-10, 2013	International Conference on Nano and Materials Engineering, ICNME-2013.
4.	Dubai, UAE	January 18-19, 2013	3rd International Conference on Advanced Materials Research, ICAMR-2013.
5.	Chengdu, China	May 5-6, 2012	3rd International Conference on Material and Manufacturing Technology, ICMMT-2012.

6.	Pattaya, Thailand	December 17-18, 2011	International Conference (ICLTET'2011), organized by ISEM-Planetary Scientific Research Centre.
7.	Sarawak, Malaysia	December 01-03, 2010	3rd International Conference on Solid State Science & Technology, ICSSST-2010.
8.	Singapore	March 06-08, 2005	IEEE International Workshop on Antenna Technology (IWAT-2005).

(14) Subjects Taught

At U.G. Level

1. Principles of Communication
2. Digital Communication
3. Nanotechnology
4. Wireless Communication
5. 4G Technology

At P.G. Level

1. Data Communication and Networking
2. Wireless MIMO Communication

Practical Classes engaged

1. Basic Electronics Lab
2. Analog Communication Lab
3. Digital Electronics Lab
4. Data Communication & Networking Lab

(15) M.Tech. Thesis Guided

S. No.	Title	Year	Student Name
1	Cooperative Communication based Data Dissemination in Cognitive Radio enabled Vehicular Ad-Hoc Network	2017	Anam Kamal
2	Enhancing Reliability in Cognitive Radio Enabled Vehicular Ad-Hoc Network Using Markov Chain Modeling	2017	Akhilesh Mishra
3	An energy-efficient task scheduling framework in Edge Computing-enabled Internet of Vehicles	2020	B. Saikrishna
4	Implementation and Evaluation of Artificial Intelligence based IoV System to Optimize Content Dissemination in for Real-Time Traffic	2020	R. Manaswini

(16) Administrative/Academic Duties Performed/Performing at Department/Institute Level

Present Institute

S.No.	Role	Function
1	Chief Coordinator, Institute Innovation Cell	To lay the foundation for Innovation in Engineering
2	Project Coordinator, B.Tech., Final Year	Overall coordination and monitoring of B.Tech. Final Year mini/major Projects
3	Member	Departmental Patents Committee
4	MHRD's Innovation Cell, (Govt. of India)	Institute President
5	Nodal Officer - ARIIA 2020, MHRD, Govt. of India	Institute Coordinator
6	Coordinator	Texas Instruments Innovation Cell

Previous Institute

S.No.	Role	Function
7	Member	Innovations and Best Practices, Steering Committee of IQAC constituted for NAAC Accreditation.
8	Member	Research, Consultancy and Extension Committee constituted for NAAC Accreditation preparation.
9	Member	Faculty Guest Lecture/Workshop/Industrial Visit Committee.
10	Member	Faculty Lab Committee.
11	Member	Faculty Supervision of Conduct of Theory and Practical Classes Committee.
12	Coordinator	Environment Club, SRMU Extra Co-curricular Activities Committee.
13	Coordinator	B.Tech. Final Year Project.
14	Coordinator	B.Tech. Summer Training.
15	Coordinator	M.Tech. II Year Seminar.
16	Course Coordinator	M.Tech. I Year, ECED.
17	Member	Organizing Committee, Annual Cultural Fest.
18	Reviewer	Programme Objectives and Learning Outcomes Committee.
19	Member	Ph.D. Student Research Advisory Committee.
20	Member	Presentation Room Committee, First International Literary Conference, 2017.
21	Member	Education Camp and Study Tour, 2017.
22	Nominated Member	Board of Faculty, Institute of Technology.
23	Nominated Member	Board of Studies, Institute of Technology.
24	Member	Interview Committee, Faculty of Electronics & Communication Engineering, Institute of Technology.
25	Assistant Coordinator, Research and Consultancy	To assist the Director (Research and Consultancy) of the University in research related activities.
26	Member, Software Learning Enhancement Team	To expedite the learning of software tools in the academic curriculum of B.Tech. students.
27	Nominated Member for NAAC from ECE Department	To expedite Research, Consultancy and Extension.

(17) Hobbies and Interests

1. Playing Table Tennis, Volleyball and Badminton
2. Listening to Songs and Ghazals   3. Adventure Sports   4. Travelling & Driving
5. Participating and Organizing Social Events and Academic Events

References

1. Dr. Roberto García Fernández (Supervisor, Postdoc Studies)
   Associate Professor,
   Department of Informatics, Edif. Polivalente - Desp. 2.7.5
   University of Oviedo, Spain
   Phone: +34-985182488, +34 651155428; Email-id: garciaroberto@uniovi.es

2. Dr. K Prakash (Principal, Present Institute)
   Vaagdevi College of Engineering (Autonomous),
   Warangal-506005, Telangana, INDIA
   Phone: +91-7799086969, Email-id: principal@vaagdevi.edu.in

3. Dr. A. Prakash (Ph.D. Thesis Supervisor)
   Associate Professor,
   Electronics and Communication Engineering Department,
   Motilal Nehru National Institute of Technology Allahabad
   Prayagraj – 211004, India
   Phone: +91-9794008282, Email-id: arun@mnnit.ac.in

4. Dr. Sara Paiva (Academic and Research Association)
   Associate Professor, Instituto Politécnico de Viana do Castelo, Portugal
   Coordinator of Applied Research Center for Digital Transformation – ARC4DigiT
   Phone: (351) 962 393 001, E-mail: sara.paiva@estg.ipvc.pt

Publications Details

Research Publications in SCI Indexed Journals

2019

1. Laura Pozuecoa, Nishu Guptab, Xabiel G. Pañedaa, Roberto Garcíaa, Alejandro G. Tueroa, David Melendia, Abel Riondac and Víctor Corcobaa, "Analysis of Driving Pattern and Feedback based On-board Training for Pro-active Road Safety Monitoring" **under review** in IEEE Transactions on Intelligent Transportation Systems.

2. Rudra Pratap Ojha, Pramod Kumar Srivastava, Goutam Sanyal, Nishu Gupta, "Improved Model for the Stability Analysis of Wireless Sensor Network Against Malware Attacks" **under review** in Wireless Personal Communications, Springer.

3. Surjeet, R. Malladi, **Nishu Gupta**, "Feasibility Evaluation of Safety Message Scheduling in Vehicular Ad-Hoc Network", **under review** in Special Issue on Advanced Networking and Communication Solutions for Wireless Mobile Networks, Journal of Information Science and Engineering.

4. Surjeet, P. Bhardwaj, **Nishu Gupta**, "Ultra-Wideband Microstrip Bandpass Filtenna for Short Range Vehicular Applications at 5.9 GHz", **under review** in Wireless Personal Communications, Springer.

2018

5. Z. Hashim, **Nishu Gupta,** A. Prakash, R. Tripathi, "Dual-Band UWB Bandpass Filter with Triangular DB-DGS for WLAN Applications in DSRC Band" AEU-International Journal of Electronics and Communications, Elsevier, vol. 86, 2018, pp. 77-85. ISSN: 1434-8411, **Impact Factor 1.147**. doi: https://doi.org/10.1016/j.aeue.2018.01.026

2017

6. **Nishu Gupta**, A. Prakash, R. Tripathi, "Clustering based Enhanced Safety message Dissemination Medium Access Control Protocol for Vehicular Ad Hoc Network", Special Issue on Advances in Vehicular and Underwater Communication Networks, International Journal of Ad Hoc and Ubiquitous Computing, Inderscience Publishers, vol. 24, no. 1/2, 2017, pp. 76-89. doi: http://10.1504/IJAHUC.2017.10001715 ISSN: 1743-8233, **Impact Factor 0.493**.

7. **Nishu Gupta**, A. Prakash, R. Tripathi, "Adaptive Beaconing in Mobility Aware Clustering-based MAC Protocol for Safety Message Dissemination in Vehicular Ad-Hoc Network", Wireless Communications and Mobile Computing, Hindawi Publishing Corporation-Wiley, vol. 2017, Article ID 1246172, 2017. doi: https://doi.org/10.1155/2017/1246172 ISSN: 1530-8677, **Impact Factor 1.899**.

8. R. Pal, **Nishu Gupta**, A. Prakash, R. Tripathi, "Adaptive Mobility and Range Based Clustering Dependent MAC Protocol for Vehicular Ad-hoc Networks", Wireless Personal Communications, Springer, vol. 96, no. 1, September(I), 2017, pp. 1-16. doi: https://doi.org/10.1007/s11277-017-4913-9 ISSN: 0929-6212, **Impact Factor 0.951**.

2016

9. **Nishu Gupta**, A. Prakash, R. Tripathi, "Clustering based Cognitive MAC Protocol for Channel Allocation to Prioritize Safety Message Dissemination in Vehicular Ad-hoc Network", Vehicular Communications, Elsevier, vol. 5, July 2016, pp. 44-54, ISSN: 2214-2096, **Impact Factor 5.108**. doi: http://dx.doi.org/10.1016/j.vehcom.2016.09.004

10. **Nishu Gupta**, A. Prakash, R. Tripathi, "Mobility Aware Multihop Clustering based Safety Message Dissemination in Vehicular Ad-hoc Network", International Journal of Computer Science and Information Security, LJS Publisher and IJCSIS Press, vol. 14, no. 3, 2016, pp. 404-423. doi: https://dx.doi.org/10.6084/m9.figshare.3154039 ISSN: 1947 5500, **Impact Factor 0.553**.

2015

11. **Nishu Gupta**, A. Prakash, R. Tripathi, "Medium access control protocols for safety applications in Vehicular Ad-Hoc Network: A classification and comprehensive survey", Vehicular Communications, Elsevier, vol. 2, no. 4, October 2015, pp. 223-237, ISSN: 2214-2096, **Impact Factor 5.108**. doi: http://dx.doi.org/10.1016/j.vehcom.2015.10.001

Research Publications in Scopus Indexed Journals

2017

12. **Nishu Gupta**, Z. Hashim, "Recent Trends and Applications of Materials used in Fabrication of Devices for Wireless Sensor Networks", Materials Today, Elsevier, vol. 4, 2017, pp. 10332–10335. doi: https://doi.org/10.1016/j.matpr.2017.06.375 ISSN 2214-7853, **Impact Factor 24.537**.

13. **Nishu Gupta**, Z. Hashim, K.M. Gupta, "Novel Nanoscale Materials and Devices for Wireless Communication and Networking Applications", Advanced Materials Research VII, Key Engineering Materials, Trans Tech Publications, vol. 735, 2017, pp. 194-198. ISSN: 1662-9795. doi: https://dx.doi.org/10.4028/www.scientific.net/KEM.735.194

14. **Nishu Gupta**, A. Prakash, R. Tripathi, "Mobility Dependent Clustering-based Data Delivery under Varying Vehicular Density and Transmission Rate in Vehicular Ad-Hoc Network", Special issue on Recent Advances of Computational Intelligence Techniques in Computer Network Modelling and Performance Optimisation, International Journal of Advanced Intelligence Paradigms, Inderscience Publishers, vol. 9, no. 2/3, 2017, pp. 246-262. ISSN:1755-0386. doi: http://dx.doi.org/10.1504/IJAIP.2017.082986

2015

15. **Nishu Gupta**, K.M. Gupta, P. Taivatiya, R. Garg, "Advances in Quaternary and Pentanary Semiconductors for Communication and Networking Applications", Advanced Materials Research VI, Key Engineering Materials, Trans Tech Publications, vol. 689, 2015, pp. 98-102. ISSN: 1662-9795. doi: http://dx.doi.org/10.4028/www.scientific.net/KEM.689.98

2013

16. P. Tiwari, **Nishu Gupta**, K.M. Gupta, "Advanced Thermoelectric Materials in Electrical and Electronic Applications", Advanced Materials Research III, Trans Tech Publications, vol. 685, pp. 161-165, 2013, ISSN: 1662-9795. doi: http://dx.doi.org/10.4028/www.scientific.net/AMR.685.161

17. I. Bharti, **Nishu Gupta**, K. M. Gupta, "Novel Applications of Functionally Graded Nano, Optoelectronic and Thermoelectric Materials", International Journal of Materials, Mechanics and Manufacturing, Trans Tech Publications, vol. 1, no. 3, pp. 221-224, 2013, ISSN: 1793-8198. doi: http://dx.doi.org/10.7763/IJMMM.2013.V1.47

2012

18. **Nishu Gupta**, K.M. Gupta, "Emerging Scope of Hybrid Solar Cells in Organic Photovoltaic Applications by Incorporating Nanomaterials" Advanced Materials Research, Trans Tech Publications, vol. 548, issue (2012), pp. 143-146, 2012, ISSN: 1662-9795. doi: http://dx.doi.org/10.4028/www.scientific.net/AMR.548.143

Research Publications in Conferences

2019

19. **Nishu Gupta**, Surjeet, "Safety Enhanced MAC Protocol for IEEE 802.11p with Improved Performance Metrics" **published** in IEEE 3rd International Conference on Trends in Electronics and Informatics (ICOEI 2019), April 23-25, 2019, Tirunelveli, India. ISBN: 978-1-5386-9439-8. doi: 10.1109/ICOEI.2019.8862593

20. B. Saikrishna, Shiva Prasad, **Nishu Gupta**, Manaswini, "Enabling Efficient Broadcasting Through Authentication based MAC Protocol in Internet of Vehicles" **accepted** in Springer 2nd International Conference on Soft Computing and Signal Processing (ICSCSP), 2019, Hyderabad, June 21-22, 2019.

21. P. Raj Kumar, R. Malladi, **Nishu Gupta**, S. Paiva, "Computational Devices for Intelligent Vehicular Systems and Smart Networking" **accepted** and **presented** in Springer 2nd International Conference on Communication, Devices and Computing (ICCDC), March 14-15, 2019, Haldia, India, ISBN: 978-981-15-0828-8.

22. **Nishu Gupta** et al., "Modeling and Analysis of Antimalware Effect on Wireless Sensor Network" **published** in 4th IEEE International Conference on Computer and Communication Systems, February 23-25, 2019, Singapore, ISBN: 978-1-7281-1322-7. doi: 10.1109/CCOMS.2019.8821631

2018

23. R. Malladi, Ch. Srinivas, **Nishu Gupta**, "Time-slot Assignment based Channel Access Scheme for Reliable Transmission in VANET" **published in** 2nd Springer International Conference on Communication & Computing Systems (ICCCS-2018), Dec. 1-2, 2018, Gurgaon, India. ISBN: 9780429444272. doi: 10.1201/9780429444272

2017

24. Z. Hashim, **Nishu Gupta**, "Futuristic Device-To-Device Communication Paradigm in Vehicular Ad-hoc Network", in IEEE International Conference on Information Technology (InCITe) - The Next Generation IT Summit on the Theme - Internet of Things: Connect your Worlds, pp. 209-214, IEEE Explore, October 6-7, 2016, Amity University, Noida, India, ISBN: 978-1-5090-2612-8. doi: http://dx.doi.org/10.1109/INCITE.2016.7857618

25. **Nishu Gupta** et.al., "Cooperative Communication based MAC Protocol for Reliable Data Delivery in Vehicular Ad-hoc Network" in Proceedings of 2nd Springer International Conference on advances in Internet of Things and Connected Technologies (ICIoTCT 2017), pp. 39-45, vol.2, May 26-27, 2017, MNIT Jaipur, India.

2016

26. Z. Hashim, **Nishu Gupta**, "Emerging Technologies, Applications and Futuristic Scope of Cognitive Vehicular Network for 5G Wireless Systems", in International Conference on Advances in Computing and Data Sciences (ICACDS), Communications in Computer and Information Science,

Springer, vol. 721, pp. 282-289, November 11-12, 2016, Krishna Engineering College, Ghaziabad, India, ISBN: 978-981-10-5427-3. doi: https://doi.org/10.1007/978-981-10-5427-3

2015

27. U. Prakash, R. Pal, **Nishu Gupta**, "Performance Evaluation of IEEE 802.11p by Varying Data Rate and Node Density in Vehicular Ad Hoc Network", in Proceedings of the 4th IEEE Student's Conference on Engineering and Systems (SCES2015), pp. 1-5, IEEE xplore, November 6-8, 2015, MNNIT Allahabad, India, ISBN: 978-1-4673-8597-8. doi: 10.1109/sces.2015.7506457

28. P. Singh, R. Pal, **Nishu Gupta**, "Clustering Based Single-hop and Multi-hop Message Dissemination Evaluation under Varying Data Rate in Vehicular Ad-hoc Network", in Proceedings of the 9th International Conference on Advanced Computing & Communication Technologies (ICACCT 2015), volume 452 of the series 'Advances in Intelligent Systems and Computing', pp. 359-367, Springer, November 27-29, 2015, Asia Pacific Institute of Information Technology, Panipat, India, ISBN: 978-981-10-1021-7. doi: https://doi.org/10.1007/978-981-10-1023-1

Earlier

29. **Nishu Gupta**, I. Bharti, "Synthesis of ZnS Nanoparticles by Aqueous Method and Study of its Enhanced Applications in Nano Electronic Materials Based Organic Photovoltaic Solar Cells" in proceedings of TAPSUN Conference 2012 on Advances in Futuristic Solar Energy Technologies, December 4-5, 2012, organized by CSIR-NPL, New Delhi, India.

30. **Nishu Gupta**, I. Bharti, "Frontiers in Nano-Electronic Materials and Future Scope in Research Applications", in Proceedings of the 3rd International Conference on Current Developments in Atomic, Molecular Optical and Nano Physics with Applications, CDAMOP-2011, December 14-16, 2011, organized by Department of Physics and Astrophysics, University of Delhi, India.

31. **Nishu Gupta** et.al., "Fabrication of Hybrid Solar Cells Using ZnS Nanoparticles", in 3rd Asian Conference on Coordination Chemistry'', October 17-20, 2011, Organized by Chemistry Department, IIT Delhi and IIT Kanpur, India Habitat Center, New Delhi.

32. **Nishu Gupta** et.al., "Study of Feasible and Novel Nano-engineering Electronic Materials for Applications in Futuristic Devices and Research", in Proceedings of the International Conference on Latest Trends in Engineering & Technology (ICLTET'2011), December 17-18, 2011, organized by ISEM-Planetary Scientific Research Centre, Pattaya, Thailand.

33. **Nishu Gupta** et.al., "Synthesis and Characterization of ZnS Nanoparticles for Organic Photovoltaic Applications", in National Conference on Chemistry: Education and Research Frontiers", October 13-14, 2011, Chemistry Discipline & Sir C. V. Raman Chair School of Sciences, IGNOU, New Delhi.

34. **Nishu Gupta**, Jalaj Kumar Singh, "Implementation of Embedded Atom Method in Addressing the Pair Potential Problem in Low-Dimensional Solid State Physics" in 3rd International Conference on Solid State Science & Technology 2010, ICSSST-2010, Sarawak, Malaysia, December 01 – 03, 2010.

35. **Nishu Gupta**, K.M. Gupta, "Metamaterial and Auxetic Hybrid Composite Antennas", in IEEE International Workshop on Antenna Technology: Small Antennas and Novel Metamaterials, pp. 414-417, March 7-9, 2005, Singapore, ISBN: 0-7803-8842-9.
doi: http://dx.doi.org/10.1109/IWAT.2005.1461105

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I hereby declare that all the above mentioned information is true in every manner and I bear the responsibility of its correctness.

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