**BIO-DATA**

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| **Dr. Meenakshi Tripathi**  Associate Professor  Department of Computer Science and Engineering  Malaviya National Institute of Technology (MNIT)  JawaharLal Nehru Marg, Jaipur-302017, Rajasthan  Email: [mtripahti.cse@mnit.ac.in](mailto:mtripahti.cse@mnit.ac.in)  [**https://www.linkedin.com/in/dr-meenakshi-tripathi-6387b1115/**](https://www.linkedin.com/in/dr-meenakshi-tripathi-6387b1115/)  [**https://scholar.google.com/citations?hl=en&user=neaH5RoAAAAJ**](https://scholar.google.com/citations?hl=en&user=neaH5RoAAAAJ)  [**https://orcid.org/0000-0002-6559-5151**](https://orcid.org/0000-0002-6559-5151)  **Scopus ID: 56038579300** |  |

**Education Qualification:**

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| 1) Bachelor of Engineering (B.E.), 2003, Computer Science & Engg., Rajasthan University, Jaipur  2) M.Tech., 2005, Computer Science & Engg.,Bansthali Vidyapith, Banasthali  3) PhD, 2014, Computer Science & Engineering, MNIT, Jaipur |

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| **Professional Experience** |
| 1) Associate Professor, MNIT Jaipur, May 2018 Onwards |
| 2) Assistant Professor, MNIT Jaipur, March 2008 to May 2018  3) Assistant Professor, CTAE, MPUAT, Udaipur, March 2005– March 2008. |

**Research Interests:** Information security, Wireless Networks, Software Defined Networks, IoT etc.

**Research Bodies:**

* + - Reviewer, Leading Technical Journals (Hindwai security and communications, IETE journal, Taylor and Fransics etc.) and IEEE Conferences
    - PG thesis examiner at NITs, RTU Kota, Central University of Rajasthan and Other universities in India

**Research Guidance:**

* B. Tech Projects – 34 Batches Completed, 2 Batches Ongoing
* M. Tech Dissertations – 31 Completed, 2 Ongoing
* Ph. D Thesis –4 Awarded

Ajay Nehra: **Architectural Improvements for Secure SDN Topology Discovery,** MNIT Jaipur, 2019.

Jyoti Gajrani, **Integrated static and dynamic analysis techniques for improved analysis of Android Apps**, MNIT Jaipur, 2020

Anugrah Jain, **Scalable, Reconfigurable Routing for Fault Tolerant NoC**, MNIT Jaipur,

2020

Ankur Gupta: **Secure and lightweight device to Device authentication schemes**

**Communication in Internet of Things (IoT), 2022**

Ph. D Thesis 5 Ongoing

**Research & Development Projects**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **Project Title** | **Name of the PI and Collaborating Faculty & Institute** | **Sponsoring Agency** | **Total Outlay (In Lacs)** | **Status** |
| 01 | A survey-based report of the usability and accessibility of various ICT tools related to the spoken and reading skills of English language for children with Autism Spectrum Disorder (ASD) | Dr. Meenakshi Tripathi (PI), Dr. Sushant Upadhyay, Dr. Preeti Bhatt | Department of Science and Industrial Training, DST, Delhi | 10.6 | Ongoing  (2023-2024) |
| 02 | MobiSStick: Mobile Enabled Smart Stick for Visually Impaired Person | Dr Meenakshi Tripathi, Dr. Amit Kumar (IIIT Kota), Prof. M. S. Gaur (IIT Jammu) | SYST scheme of SEED Division, Delhi | 19 | Ongoing  (2017-2023) |
| 03 | Low cost interactive teaching aid in a flipped classroom for Indian academia(not in website) | Dr. Lava Bhargava (MNIT Jaipur), Dr. Meenakshi Tripathi (Co-PI) | DST Rajasthan | 8 | Completed  (2017-2020) |
| 04 | Information Security Education Awareness – Phase II (ISEA-II)   (not in website) | MS Gaur, Vijay Laxmi, Meenakshi Tripathi (Co-PI) | MEITY | 100 | Ongoing  (2017-2023) |
| 05 | Reflection Aware ICC Analysis Framework for Android Apps   (not in website) | Vijay Laxmi, MS Gaur, Meenakshi Tripathi (Co-PI) | CEFIPRA (DST-CNRS) | 16 | Completed  (2017-2020) |

**Consultancy Project:**

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| Third Party Inspection under Smart Raj Project (Phase – I) | CO-PI | RUDSICO | State Government of Rajasthan | 3.88 (Lacs) | Completed |

**Conferences/Seminars/Short Term Courses/Workshops Organized as Coordinator**

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| **Category** | **Title** | **From** | **To** | **Funding Agency** | Position |
| 1 Week Summer School | Artificial Intelligence and Machine Learning  for Engineering and Social Science Research | 4 Sep. | 8 Sept. 2023 | IEEE CIS, USA | General Chair |
| 2-Week FDP | Supply Chain Management and Logistics (Under PM Gati Shakti Scheme) | 6 March 2023 | 17 March 2023 | AICTE ATAL Academy, India under PM Gati Shakti Scheme | Co-Cordinator |
| 2-Week FDP | Advanced Computational Intelligence  Techniques for Engineering and  Science Applications | 9 January 2023 | 20 January 2023 | AICTE ATAL Academy, India | Co-Cordinator |
| 1-Week FDP | IEEE CIS Summer School on Research Trends in Artificial Intelligence and Machine Learning | 6 Dec. 2022 | 10 Dec. 2022 | IEEE CIS, USA | Organizing Chair |
| 2-Weeks FDP | Machine Learning for Computer Vision | 21 Feb 2022 | 4 March 2022 | EICT Academy | Program Coordinator |
| National Workshop | **Data Science for All** | 12 Apr 2021 | 23 Apr 2021 | EICT Academy | Program Coordinator |
| International conference | **International Conference on Deep Learning, Artificial Intelligence and Robotics, (ICDLAIR) 2019** | 07-12- 2019 | 08-12- 2019 | IIIT Uttrakhand | Chairperson |
| National Workshop | Cyber Security | 17-12-19 | 21-12-2019 | ATAL Academy | Coordinator |
| National Workshop | Technical Writing With Advanced Computer Tools: Hands-On Training | 14-05-2019 | 18-05-2019 | MHRD | Coordinator |
| Sort Term Course | Cyber Security Awareness and Cyber Security Challenge Competition | 09-07-2018 | 13-07-2018 | TEQIP | Coordinator |
| Short Term Course | Communication Skills | 14-05-2018 | 18-05-2018 | TEQIP | Coordinator |
| National Workshop | Latex and Technical Writing | 24-01-2018 | 28-01-2018 | TEQIP | Coordinator |
| National Workshop | Faculty Development Program for Software Defined Networks | 18-03-2016 | 22-03-2016 | TEQIP | Coordinator |

**Administrative Responsibilities:**

* + - * “Faculty Coordinator Classical Dance and Music Club” MNIT Jaipur Since Oct. 2022
      * “Faculty Coordinator Placement “ MNIT Jaipur Since Feb. 2022
      * " Member, Borad of Studeis" in Central University of Rajasthan, Jaipur From December

2021 to till date

* + - * “Expert Panel” in UP Public Service Commission since 2019(not in website)
      * “Dean, BoS-Software” in Rajasthan ILD Skills University, Jaipur from 07-06-2019 to

till Date

* + - * “Converner, BoS-Software” in Rajasthan ILD Skills University, Jaipur from 07-06-2019 to

20-01-2021

* **Program Advisor of M Tech (IS)** in MNIT from - 10-07-2019 to 27-08-2021(Added now in biodata)
* **Warden** in MNIT from - 13-11-2019 to 31-08-2020(Added now in biodata)
  + - * “External Member, Curriculum Development Committee” in Kota University, Kota from 15-

07-2019 to till Date(not in website)

* + - * “Senate Member” Indian Institute of Information Technology (IIIT Kota) from 2015-2020(not in website)
      * “ “Chairperson” in Computer Society of India, Jaipur Chapter from 02-04-2018 to April 2020(not in website)
      * “DUGC Converner” in Department of CSE, MNIT Jaipur from 01-07-2019 to 01-07-2021
      * "Converner DUGC and Adjunct Faculty” in IIIT Kota from 01-07-2015 to 30-06-2016
      * “Time Table Coordinator” in Dept. of CSE, MNIT from 01-04-2014 to 30-04-2015

**List of Outreach Activity ( 2023 onwards)(not in website)**

| **S.No.** | **Activity** | **Assigned By** | **Dates** |
| --- | --- | --- | --- |
| 1. | BoS Member, Deptt. Of CSE, Central University of Rajasthan | Registrar CURAJ | Dec. 2021 to Dec. 2023 |
| 2. | CoC member of Computer Science and Informatics  University of Kota | Registrar, UoK | July 2019 till date |
| 3. | Dean (Software)  Vishwakarma Skills University  (Formerly Rajasthan ILD Skills University) | Registrar,  VSU (RiSU) | Aug 2023 till 2025 |
| 4 | Faculty Advisor, Classical Music and Dance Club, MNIT Jaipur | Dean, MNIT Jaipur | Aug 2022 to Aug. 2024 |
| 5 | Faculty coordinator, Placement , MNIT Jaipur | Registrar, MNIT Jaipur | Feb. 2022 to till date |
| 6 | Member, Publicity and Outreach team, MNIT Jaipur | Registrar, MNIT Jaipur | March 2022 to till date |
| 7 | Session Chair, Second International Conference on Informatics (ICI-2023), JIIT Noida | JIIT Noida | 25 Nov 2023 |
| 8. | Keynote Speaker, 3rd International Conference On Emerging Trends In Networks And Computer Communications (ETNCC) | NUST Namibia | August 16 - 18, 2023 |

**List of Awards:**

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| **S.No.** | **Award** | **Year** | **Given By** |
| 1 | “Outstanding Academician of the Year”, 3rd International Conference on “Universal Threats in Expert Applications and Solutions (Springer publication)" at Jaipur(not in website) | 2024 | UNI-TEAS 2024 |
| 2 | Received fund of $5200, for organizing Summer School(not in website) | 2023 | IEEE CIS, USA |
| 3 | Received fund of $4800, for organizing Summer School(Amount is not same in website) | 2022 | IEEE CIS, USA |
| 4 | “Active Participation Woman” under CSI Service Award at the CSI Annual Convention 2017 | 2018 | CSI |
| 5 | “Paper Presenter Award at International Conference” under CSI re Award at the CSI Annual Convention 2017 | 2018 | CSI |
| 6 | Completion of Certificate for course on "Cryptography" given by Coursera Year (Added now in bio data) | 2020 | coursera |

**Open Source Contributions:**

In DroidBench, 10 apps for inter-component communication in combination with reflections.

<https://github.com/secure-software-engineering/DroidBench/tree/develop>

DroidBench is an open test suite for evaluating the effectiveness of taint-analysis tools specifically for Android apps.

**Mooc Course Developed:**

### A course has been developed on “Cyber Security and Digital Forensics” and available at:-

**https://eldalab.in/courses/cyber-security-and-digital-forensics/**

**Professional Memberships**

* Senior Member of IEEE Since Nov. 2020, IEEE Member (8 yrs in total) ,  IEEE Young Professionals (8 Years)
* IEEE Computational Intelligence Society Membership (2 years)
* IEEE Computer Society Membership (1 Year)
* ACM Member ( 4 years)
* Lifetime membership of CSI since 2010
* Vice-Chairman of CSI Jaipur Chapter April 2017-March 2018
* Chairman of CSI Jaipur Chapter April 2018-April 2020

**Conferences, Seminars and Workshops organised**:

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| **S.No.** | **Title of workshop/seminar/conference** | **Dates** | **Coordinators** |
| 1 | **International Conference on Deep Learning, Artificial Intelligence and Robotics, (ICDLAIR) 2019, MNIT Jaipur** | 07-08 December 2019 | Chairperson/Editor of the proceedings in collaboration with NIT Uttarakhand |
| 2. | 5th International Conference on Communication and Intelligent Systems (ICCIS 2023) | 16-17 December 2023 | Organizing Secretary |
| 3 | 3 International Conference on Emerging Trends in Networks and Computer Communications (ETNCC) | 16-18 August 2023 | Program Chair, NUST Namibia |
| 4 | International Conference on Advanced Networks and Telecommunications Systems (ANTS2023) | 17-20 December 2023 | WIE Chair, MNIT Jaipur |

**Expert Talks:**

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| **S.No.** | **Title of the Talk** | **Role** | **Name of the Conference/Place** | **Dates** |
|  | Ethics of Blockchain Technology | Expert Speaker | One day Webinar on Blockchain Technology and Ethics by CDTI Jaipur | 20 May 24 |
|  | Digital Innovation and Sustainable Development Goals | Keynote Speaker | World Telecommunication day at Institution of Engineers, Udaipur | 17 May 24 |
|  | Seamless Connectivity with Generative AI - Is it Everyone’s Cup of Tea? | Penlist in Panel Discussion | International Conference on Advanced Networks and Telecommunications Systems (ANTS2023), Jaipur | 17-20 December 2023 |
|  | Efficient Privacy-Preserving  Authentication using Blockchain for VANET | Invited Speaker | International Conference on Emerging Trends in Networks and Computer Communications (ETNCC), Namibia | 16-18 August 2023 |
|  | Secure Communication in Today’s world | Expert Lecture | ATAL FDP on Advanced Computational Intelligence  Techniques for Engineering and  Science Applications, Jaipur | January 09-20, 2023 |
|  | Cyber Security Awareness | Expert Lecture | One-Week AICTE-approved Faculty Development Programme on Life Skills Management, Jaipur | April 17-21, 2023 |
|  | DST-SERB KaryaShala by | Indian Institute of Information Technology, Kota | LATEX Introduction and It’s Usecases | Dec. 2022 |
|  | Course on “Cryptocurrency and Dark Web” | Central Detective Training Institute Jaipur | Methods of earning cryptocurrency, Basics of Blockchain Technology and Its advantages | Dec. 2022 |
|  | 5th Technical Advisory Committee (TAC 05) meeting of A2K+ Studies program | Department of Scientific Research Institute | A Study of the Usability and Accessibility of Various ICT Tools related to English Language Speaking and Reading Skills of Children with Autism Spectrum Disorder (ASD) | November 2022 |
|  | X-Phish: Days of Future Past: Adaptive  and Privacy Preserving Phishing  Detection | Invited Speaker | International Conference on Data Science,  Machine Learning and Artificial Intelligence  (DSMLAI), Namibia | Nov. 23-25, 2022 |
|  | National Webinar of Ethics of Blockchain Technology | Central Detective Training Institute Jaipur | Blockchain Ethics | 10/08/22 |
|  | Course on “Data Analytics and Predictive Policing” | Central Detective Training Institute Jaipur | Basics of Data Analytics and Its application in various E-governance Applications | 20/07/2022 |
|  | National Webinar of Ethics of Blockchain Technology | Central Detective Training Institute Jaipur | Blockchain Ethics | 29/06/22 |
|  | A course on “Data Protection Law course training of Trainers” | Central Detective Training Institute Jaipur | Cryptography and Data Protection | 07/06/22 |
|  | ATAL Faculty Development Programme on “Cyber Security: with special emphasis on Cyber Crime and Investigation” | Centre for Cyber Security, Sardar Patel University of Police, Security and Criminal Justice, Jodhpur | Role of Advanced Cryptography in Privacy Preserving | 14/10/2021 |
|  | ATAL-AICTE One week Online Training program on “Cyber Security: A Step Towards Awareness to Cybercrime” | Ajmer Engineering College, India | Past, Present and Future of Cryptography | 15/06/2021 |
|  | AICTE-ISTE sponsored One Week Online Refresher Program entitled “Mobile and Cloud Security: Challenges and Directions” | AVPTI, Rajkot , India (Online Mode) | Static Analysis of Mobile Malwares | 09/06/2021 |
|  | Short Term Training Program in Computer Science “Gyan Ganga” | SRP Government College,Bandikui, India (Online Mode) | Security and cryptography | 04/03/2021 |
|  | Workshop on Internet of things | MNIT Jaipur, India (Online Mode) | Wireless Sensor Networks: technology and applications | 12/02/2021 |
|  | Expert talk at Short Term Course on Emerging Trends and Innovation in Engineering & Science (ETIES) | Ajmer Engineering College (Online Mode) | Online teaching tools and techniques: A comparison | 01/08/2019 |
|  | Expert lecture by Department of Computer and Communication Engg. (CCE) | Manipal University Jaipur | Quick and Merge Sort with complexity Analysis | 21/11/2018 |
|  | Android Security Issues | Invited Speaker | International Symposium on Data Science and Big Data Analytics | 5-6 January, 2018 |

**List of Publications**

**2024(not in website, biodata, available in google scholar)**

1. Detecting Sybil Attacks in VANET: Exploring Feature Diversity and Deep Learning Algorithms with Insights into Sybil Node Associations
2. Intelligent defense strategies: Comprehensive attack detection in VANET with deep reinforcement learning
3. An integrated deep learning model for Ethereum smart contract vulnerability detection

**2023**

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| 1 | Lav Upadhyay, Meenakshi Tripathi, **Feature Selection Based Evaluation for Network Intrusion Detection System with Machine Learning Methods on CICIDS-2017**, 5th International Conference on Communication and Intelligent Systems (ICCIS 2023), MNIT Jaipur 16-17 December 2023**(not in website)** |
| 2 | Shashvat Sharma , Meenakshi Tripathi , Harish Kumar Sahu and Ashish Karan , **A Post-Quantum End-to-End Encryption Protocol,** International Conference on Advanced Networks and Telecommunications Systems (ANTS-2023), MNIT Jaipur 17-20 December 2023**(not in website)** |
| 3 | Rishank Goyal, Meenakshi Tripathi, Shubham Tomar, [**GasOptiScan: Unveiling Gas-Inefficient Smart Contracts via Loop Fusible Pattern Detection for Enhanced Cost Efficiency**](https://ieeexplore.ieee.org/abstract/document/10284938/)**,** International Conference on Emerging Trends in Networks and Computer Communications (ETNCC-2023), [10.1109/ETNCC59188.2023.10284938](https://doi.org/10.1109/ETNCC59188.2023.10284938)**(not in website)** |
| 4 | Rajat Shri Shrimal, Jyoti Gajrani, Vinesh Kumar Jain, Meenakshi Tripathi, Dharm Singh Jat, [**Detection of Ransomware Attacks Using Weight of Evidence Technique**](https://ieeexplore.ieee.org/abstract/document/10284928/), International Conference on Emerging Trends in Networks and Computer Communications (ETNCC-2023), 10.1109/ETNCC59188.2023.10284928**(not in website)** |
| 5 | Vikas Kumar Jain, Meenakshi Tripathi, [***Multi-Objective Approach for Detecting Vulnerabilities in Ethereum Smart Contracts***](https://ieeexplore.ieee.org/abstract/document/10284955/), International Conference on Emerging Trends in Networks and Computer Communications (ETNCC-2023), [10.1109/ETNCC59188.2023.10284955](https://doi.org/10.1109/ETNCC59188.2023.10284955) **(not in website)** |
| 6 | Vikas Kumar Jain, Meenakshi Tripathi, **An integrated deep learning model for Ethereum smart contract vulnerability detection**, International Journal of Information Security, pg. 1-19, 2023**(not in google scholar)** |
| 7 | Akhil Pariyarth, Shubham Tomar ,Meenakshi Tripathi. **Efficient Privacy-Preserving Authentication using Blockchain for VANET**, 16th International Conference on COMmunication Systems & NETworkS (COMSNET-2023), 423-426, IEEE |
| 8 | Meenakshi Tripathi, Shadab Khan and Sangharatna Godboley:  **Comparison between Performance of Constraint Solver for Prediction Model in Symbolic Execution,** International Conference on Artificial Intelligence of Things (ICAIoT)-2023, **(not in website)** |

**2022**

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| --- | --- |
| 1 | Kawaldeep Kaur, Shubham Tomar ,Meenakshi Tripathi. **Gas Fee Reduction by Detecting Loop Fusible Patterns in Ethereum Smart Contract**, 16th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), Accepted**(not in website)** |
| 2 | R. Sultana, J Grover, M Tripathi:  **A Data-Centric and Dynamic-Range based Misbehavior Detection Approach for VANET,** TENCON-2022(Presented) |
| 3 | S. K Gupta, M Tripathi, J Grover: **Hybrid optimization and deep learning based intrusion detection system**, Computers and Electrical Engineering 100, 107876 |
| 4. | Sunil Kumar, Jyoti Gajrani and Meenakshi Tripathi: **Fuzzing REST APIs for Bugs: An Empirical Analysis, FICTA-2022 (Presented)** |
| 4 | R. Sultana, J Grover, J Meghwal, M Tripathi: **Exploiting machine learning and deep**  **learning models for misbehavior detection in VANET**, Journal of Information Security and Applications, 1-15 |
| 5 | A Gupta, M Tripathi, S Muhuri, G Singal, N Kumar: **A secure and lightweight anonymous mutual authentication scheme for wearable devices in Medical Internet of Things**,Journal of Information Security and Applications 68, 103259 |

**2021**

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| --- | --- |
| 1 | Rukhsar Sultana, Jyoti Grover, Meenakshi Tripathi: **Security of SDN-based vehicular ad hoc networks:State-of-the-art and challenges.** Vehicular communications, 27: 100284 (2021) |
| 2 | Shalin Deval, Meenakshi Tripathi, Bruhadeshwar Bezawada: **X-Phish: Days of Future Past": Adaptive & Privacy Preserving Phishing Detection**. Presented in IEEE CNS , 2021 |
| 3  4  5 | Subham Kumar Gupta, Meenakshi Tripathi, Jyoti Grover: **Towards an Effective Intrusion Detection System using Machine Learning techniques: Comprehensive Analysis and Review**. Presented in 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO)  Leveraging LSTM-RNN combined with SVM for Network Intrusion Detection**(added now in bio data)**  Comparative Study of Object Recognition Algorithms for Effective Electronic Travel Aids**(added now in bio data)** |

**2020**

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| --- | --- |
| 1 | Jyoti Gajrani, Vijay Laxmi, Meenakshi Tripathi, Manoj Singh Gaur, Akka Zemmari, Mohamed Mosbah, Mauro Conti: Chapter Three - **Effectiveness of state-of-the-art dynamic analysis techniques in identifying diverse Android malware and future enhancements**. Adv. Comput. 119: 73-120 (2020) |
| 2 | Jyoti Gajrani, Umang Agarwal, Vijay Laxmi, Bruhadeshwar Bezawada, Manoj Singh Gaur Meenakshi Tripathi, , Akka Zemmari : **EspyDroid+: Precise reflection analysis of android apps**, Comput. Secur. 90: 101688 (2020) |
| 4 | A Gupta, M Tripathi, A Sharma: **A provably secure and efficient anonymous mutual authentication and key agreement protocol for wearable devices in WBAN**, Computer Communications 160, 311-325 |
| 5 | Rashika Joshi, Meenakshi Tripathi, Amit Kumar, Manoj Singh Gaur: **Object Recognition and Classification System for Visually Impaired**, International Conference on Communication and Signal Processing (ICCSP), Pg. No: 1568-1572, 2020 |
| 6 | Jyoti Gajrani, Meenakshi Tripathi, Vijay Laxmi, Gaurav Somani, Akka Zemmari, Manoj Singh Gaur: **Vulvet Vetting of Vulnerabilities in Android Apps to Thwart Exploitation**, Digital Threats: Research and Practice, Vol 1, Issue-2, Pg. No. 1-25 |
| 7  8  9 | Anugrah Jain, Vijay Laxmi, Meenakshi Tripathi, Manoj Singh Gaur, Rimpy Bishnoi: **TRACK: An algorithm for fault-tolerant, dynamic and scalable 2D mesh network-on-chip routing reconfiguration**, Integration by Elsevier  Rukhsar Sultana, Jyoti Grover, Meenakshi Tripathi, "Security of SDN-Based Vehicular Ad Hoc Networks: State-of-the-Art and Challenges" ,**Vehicular Communications** (Elsevier) Volume :27 / 100284 / 2020 DOI: <https://doi.org/10.1016/j.vehcom.2020.100284> **(not in biodata added now)**  A novel framework for misbehavior detection in SDN-based VANET**( bio data added now)** |

**2019**

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| --- | --- |
| 1 | Ajay Nehra, Meenakshi Tripathi, Manoj Singh Gaur,, Ramesh Babu Battula, Chagan Lal ,**SLDP: A secure and lightweight link discovery protocol for software defined networking** , Computer Networks Volume :150 / 102-116 / 2019 |
| 2 | Shivam Anand, Amit Kumar, Meenakshi Tripathi, Manoj Singh Gaur ,**Human Face Detection Enabled Smart Stick for Visually Impaired People** , Data Science and Big Data Analytics Volume :16 / 277-289 / 2019 ISBN: 978-981-10-7640-4 |
| 3 | Anugrah Jain, Vijay Laxmi, Meenakshi Tripathi, Manoj Singh Gaur, Rimpy Bishnoi ,**S2DIO: an extended scalable 2D mesh network-on-chip routing reconfiguration for efficient bypass of link failures** , The Journal of Supercomputing Volume :75 / 1-27 / 2019 ISBN: 0920-8542 |
| 4 | Ankur Gupta, Meenakshi Tripathi, Tabish Jamil Shaikh, Aakar Sharma ,**A lightweight anonymous user authentication and key establishment scheme for wearable devices** , Computer Networks Volume :149 / 29-42 / 2019 |
| 5  6 | Harshit Kr. Agarwal ; Meenakshi Tripathi: **OLWS: Optimized Light Weight Secure Clustering protocol for Wireless Sensor Networks**, 4th International Conference on Information Systems and Computer Networks (ISCON), 21-22 Nov. 2019, 10.1109/ISCON47742.2019.9036303  Smart MM: Smart Movie Management System**(not in biodata added now) (not in website)** |

**2018**

|  |  |
| --- | --- |
| 1 | Prashant Kumar, Meenakshi Tripathi, Ajay Nehra, Mauro Conti, Chhagan Lal: **SAFETY-Early detection and mitigation of TCP SYN flood utilizing entropy in SDN** , IEEE Transactions on Network and Service Management Volume :15 / 1545-1559 / 2018 |
| 2 | Ajay Nehra, Meenakshi Tripathi, Manoj Singh Gaur, Ramesh Babu Battula, Chhagan Lal : **TILAK- A token‐based prevention approach for topology discovery threats in SDN** , International Journal of Communication Systems Volume :31 / 3781 / 2018 |
| 3 | Himanshu Sharma, Meenakshi Triapthi, Amit Kumar, Manoj singh gaur:**Embedded Assistive Stick for Visually Impaired Persons**, IEEE 9th International Conference on Computing, Communication and Networking Technologies (ICCCNT 2018) by IEEE at Bangalore / / 2018 |
| 4 | Ankur Gupta, Meenakshi Tripathi,Poster: **A Lightweight Mutually Authenticated Key-Agreement Scheme for Wireless Body Area Networks in Internet of Things Environment ,**24th Annual International Conference on Mobile Computing and Networking by ACM at New Delhi / 804-806 / 2018 |
| 5  6  7  8 | Arti Mahore, Meenakshi Tripathi: **Detection of 3D Mask in 2D Face Recognition System Using DWT and LBP**, 2018 IEEE 3rd International Conference on Communication and Information Systems by IEEE at Singapore / 18-22 / 2018  Unraveling reflection induced sensitive leaks in Android apps**(not in biodata added now) (not in website)**  Secure and Energy-Efficient Routing for Cluster-Based Wireless Sensor Networks**(not in biodata added now) (not in website)**  Resource allocation at MAC to provide QoS for Cognitive Radio Networks**(not in biodata added now)** |

**2017**

|  |  |
| --- | --- |
| 1 | Meenakshi Tripathi, Manoj Singh Gaur Vijay Laxmi R B Battula: **Balanced energy routing protocol for clustered wireless sensor network**, Int. J. of Information and Communication Technology, Inderscience Volume :11 / 396 - 411 / 2017 |
| 2 | Gaurav Singal, Vijay Laxmi, Manoj Singh Gaur, Swati Todi, Vijay Rao, Meenakshi Tripathi, Riti Kushwaha: **Multi-constraints link stable multicast routing protocol in MANETs**, Ad hoc Networks Volume :63 / 115-128 / 2017 |
| 3 | Ajay Nehra, Meenakshi Tripathi, Manoj Singh Gaur: **Global View in SDN: Existing Implementation, Vulnerabilities & Threats**, 10th International Conference on Security of Information and Networks by ACM at Jaipur / 303-306 / 2017 |
| 4 | Jyoti Gajrani, Meenakshi Tripathi, Vijay Laxmi, Manoj Singh Gaur, Mauro Conti, Muttukrishnan Rajarajan: **sPECTRA: A Precise framEwork for Analyzing CrypTographic vulneRabilities in Android Apps**, 2017 14th IEEE Annual Consumer Communications & Networking Conference (CCNC) by IEEE at Las Vegas, NV, USA / 854-860 / 2017 |
| 5 | Ajay Nehra, Meenakshi Tripathi, MS Gaur: **FICUR: Employing SDN Programmability to Secure ARP,** 2017 IEEE 7th Annual Computing and Communication Workshop and Conference (CCWC) by IEEE at Las Vegas, NV, USA / 1-8 / 2017 |
| 6 | Sharang Sharma, Manind Gupta, Amit Kumar, Meenakshi Tripathi, Manoj Singh Gaur : **Multiple Distance Sensors Based Smart Stick for Visually Impaired People**, 2017 IEEE 7th Annual Computing and Communication Workshop and Conference (CCWC) by IEEE at Las Vegas, NV, USA / 1-5 / 2017 |
| 7 | Meenakshi Tripathi, Kalpana Naidu, Mintu Biswas: **Energy Efficient Semi Grid Based Clustering in Heterogeneous Wireless Sensor Network**, IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET) by IEEE at Chennai, India / 278-282 / 2017 |
| 8 | Jyoti Gajrani, Li Li, Vijay Laxmi, Meenakshi Tripathi, Manoj Singh Gaur, Mauro Conti : **Detection of Information Leaks via Reflection in Android Apps**, Asia Conference on Computer and Communications Security by ACM at Abu Dhabi, UAE / 911-913 / 2017 |
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