
D.Sumathi

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DETAILS OF INTERNATIONAL CONFERENCES ATTENDED AND PAPER PRESENTED

- Presented a paper in “Comparison of Virtualization Architecture in Cloud Computing”, Intelligent Information Systems and Management in RVSCET, 14th to 16th July 2011
- Presented a paper in “Modern Approach to Cloud Computing Issues”, KGISL Institute of Technology, on 2nd April 2011
- Presented and Published a paper in “Transformation from Millennial students to Engineers in Engineering Institutions- A case study” @ ICTIEE 2018 Greater Noida.
- Presented a paper in “Enhancing faculty competencies through professional development activities- A case study ” @ ICTIEE 2018 –VIT Amaravathi
- Presented a paper in “Optimized Spell CheckTool using Ternary Search Tree” @ International Conference at Malla Reddy Engineering college
- Presented a paper in “A Machine Learning Approach to Analyse COVID 2019” @ AICTE Sponsored 3rd International Conference on Computational Intelligence & Data Engineering (ICCIDE - 2020) in association with Springer organized by the Department of Information Technology, Vasavi College of Engineering, Hyderabad, Telangana, India, during 8-9 August 2020.

DETAILS OF JOURNAL PUBLICATIONS

1. Sumathi, D & Ramachandra V Puji 2014, ‘A Modified ECDS Algorithm for public verifiability and data dynamics in Cloud Computing’, Journal of Computer Science 10 (10): 2077-2087, 2014 ISSN: 1549-3636 © 2014 Science Publications doi:10.3844/ jcssp. 2014. 2077.2087 Published Online, vol. 10, no. 10 Impact Factor:1.35.

2. Sumathi, D & Dr. Karthik, S ‘Proof of Retrievability using Elliptic Curve Digital Signature in Cloud Computing’, in International Review on Computers and Software(SCOPUS impact factor: 0.259)

3. Sumathi, D 2014, 'Security Services using ECDSA in Cloud Computing', Published in IJARCSSE Journal, May 2014 edition
4. Sumathi, D 2014, 'Chameleon: A Load Balancing Model For Public Cloud', Journal IJAIR, May 2014, vol. 3, no. 5.
5. Sumathi, D 2014, 'Secure cloud storage with access control A Survey', International Journal of Computer Science and Engineering, August 2014, vol. 2, no. 8.
6. Sumathi, D 2014, 'Secure data sharing using key aggregate cryptosystem', International Journal of Computer Science and Engineering, vol. 2, no. 8, August 2014.
7. Sumathi, D 2014, 'A Survey on Resource Allocation Strategies in Cloud Computing', IEEE Xplore, Feb 2014.
8. T.Poongodi, Karthikeyan, Sumathi D, 2016, "Mitigating cooperative blackhole attack by dynamic defense intrusion detection system in Mobila Adhoc network", Asian Journal of Information Technology, 15(23) 4890-4899.
9. D.Sumathi, Sindhuja, May 2017, "A strategic method for energy consumption in virtual machines across the cloud," International Journal On Engineering Technology and Sciences, Vol 4,No 5, 13-21
- 10.. Ankita Arora, Sumathi D, S.Kannan , 2017, "A Study on Various Sorting Algorithms in Information Retrieval Systems", IAETSD JOURNAL FOR ADVANCED RESEARCH IN APPLIED SCIENCES, Vol 4, 6, 157-162.
11. D.Sumathi , S.Kannan, Dr.S.Sudhakara Reddy, 2018, "Transformation from Millennial Students to Engineers in Engineering Institutions-A Case Study", Journal of Engineering Education Transformations, Vol 31, 3 , 84-90.
12. S.Kannan, D.Sumathi, T.Prabakaran, 2018, "A Study on Challenges and Opportunities in Teaching Programming Subject to first Year Computer Science and Engineering Students:In the Perspective of Faculty and Student", Journal of Engineering Education Transformations, Vol 31, 3 , 74-78.
13. D.Sumathi , 2018, "A Review on Remote Data Checking using Code Regeneration in Cloud Storage", IAETSD JOURNAL FOR ADVANCED RESEARCH IN APPLIED SCIENCES.
14. D.Sumathi, 2018, "Dynamic Pricing Model For Exploring Resource Rental Planning In Cloud Computing", IJCRT, Vol 6 (1), PP 914-918.

15. Sumathi D, Sireesha Jasti, 2018, “Review on authentication mechanisms in cloud computing”, International Journal of Engineering & Technology, 2227-524X ,Vol 9(4), 2018.

16. Sumathi Doraikannan, Prabha Selvaraj, Vijay Kumar Burugari, 2019, “Principal Component Analysis For Dimensionality Reduction For Animal Classification Based On LR” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-10, August 2019.

17. Samuel Prithi, Subbaiyan Sumathi, Balusamy Balamurugan, Doraikannan Sumathi and Gandomi H. Amir "A Technical Survey on Intelligent Optimization Grouping Algorithms for Finite State Automata in Deep Packet Inspection"(2020), *Arch Computat Methods Eng* (2020). <https://doi.org/10.1007/s11831-020-09419-z> (SCIE)

DETAILS OF CHAPTERS PUBLISHED/ACCEPTED

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1. D.Sumathi , “Efficient Implementation of Digital Signature Algorithms”, in book entitled “Algorithmic Strategies for Solving Complex Problems in Cryptography”, December 2016 published by IGI Global publishers. Release Date: August, 2017|Copyright: © 2018 |Pages: 302 ISBN13: 9781522529156|ISBN10: 1522529152|EISBN13: 9781522529163| DOI: 10.4018/978-1-5225-2915-6
2. D.Sumathi, Prabha Selvaraj, “Big data and Digital Analytics” in book entitled “Smart Marketing with Internet of Things” published by IGI Global Publishers.
3. D.Sumathi, Prabha Selvaraj, “Augmented Reality and its experiences” in book entitled “Smart Marketing with Internet of Things” published by IGI Global Publishers.
4. D.Sumathi, Prabha Selvaraj, “Privacy and Security Issues on Wireless Body Area Network and IoT for Remote Healthcare Monitoring” in book entitled "Intelligent Pervasive Computing Systems for Smarter Healthcare" published by Wiley Publishers.

5. D.Sumathi, Prabha Selvaraj, "Vulnerabilities, attack and threats in IoT" in book entitled "Security, Privacy, and Forensics Issues in Big Data" A volume in the Advances in Information Security, Privacy, and Ethics (AISPE) Book Series to be published by IGI Global Publishers. pp 141-167
6. D.Sumathi, Roopa Chandrika, "Vulnerability Analysis for Cyber-physical systems", Cybersecurity and Privacy in Cyber-Physical System, CRC Press, Published May 16, 2019, Reference - 434 Pages, ISBN 9781138346673 - CAT# K394812, First Edition.
7. Poongodi T., Sumathi D., Suresh P., Balusamy B. (2021) Deep Learning Techniques for Electronic Health Record (EHR) Analysis. In: Bhoi A., Mallick P., Liu CM., Balas V. (eds) Bio-inspired Neurocomputing. Studies in Computational Intelligence, vol 903. Springer, Singapore.
8. T.Poongodi, R.Sujatha, D.Sumathi, P.Suresh, Balamurugan Balusamy, Cryptocurrencies and blockchain technologies and applications: Decentralized and Smart Contracts, Blockchain in Social Networking, Wiley, 2019 (Published)
9. D.Sumathi, T.Poongodi, Internet of Things: From the foundations to the latest frontiers in research, IoT Network Architecture and Design, De-Gruyter, January 2020. (Submitted)
10. T.Poongodi, T.Lucia agnes beena, D.Sumathi, P.Suresh, B.Balamurugan, Behavioral Malware Detection and Classification using Deep Learning approaches, Applications of Computation Intelligence in Mutli-Disciplinary Research, Elsevier, August 2020 (In Process).
11. R.Indrakumari, T.Poongodi, D.Sumathi, S.Suganthi, P.Suresh, IoT in healthcare and Ambient Assisted Living, Patient Health monitoring, Springer, June 2020. (Accepted)
12. Prithi Samuel, T.Poongodi, D.Sumathi, P.Suresh, Real-time health monitoring using IoT sensors, Electronic Device and Circuits Design Challenges to Implement Biomedical Applications, Elsevier (In Process).

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