Dr. Sudhakar P,

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List of Publications - International

1. Saravanan S and Sudhakar P, "Analysis of mobile internet speed, signal strength and FMDH antenna design for improved internet speed.", *Journal of Super Computing*, Volume 76, Number 6, Jun 2020, pp. 4449-4475. 10.1007/s11227-018-2382-x, .

2. Malathi S and Sudhakar P, "Develop and Implement of FODA tool for Refactoring and Reusability of a Software.", *International Journal of Scientific Research and Review*, Volume 8, Number 3, Mar 2019, pp. 553-558. 2019.

3. Malathi S and Sudhakar P, "Reusability of a Legacy Software System Model.", *Journal of Applied Science and Computations*, Volume 6, Number 3, Mar 2019, pp. 1439-1445. 2019.

4. Saranya L and Sudhakar P, "Secure Content Based Image Retrieval from Private Cloud Image Repositories.", *International Journal of Scientific Research and Review*, Volume 8, Number 3, Mar 2019, pp. 644-649. 2019.

5. R. P. Jaia Priyankka, Dr. S. Arivalagan and Dr. P. Sudhakar, "Performance Analysis of Effective Optimization Algorithm based Collaborative Movie Recommender Systems.", *International Journal of Scientific Research and Review*, Volume 8, Number 4, Apr 2019, pp. 511-527. 2019.

6. R. Bhuvaneeswari, P. Sudhakar and S. Arivalagan, "An Extensive Review of Machine Learning based Data Classification Methods for Heart Disease Prediction.", *Journal of Applied Science and Computations*, Volume 6, Number 4, Apr 2019, pp. 2327-2336. 2019.

7. R. Bhuvaneeswari, P. Sudhakar and R. Arunkumar, "An Efficient Heart Disease Diagnosis Model using Hybrid Binary Particle Swarm Optimization with Support Vector Machine (BPSO-SVM).", *Journal of Applied Science and Computations* , Volume 6, Number 4, Apr 2019, pp. 2337-2352. 2019.

8. H. Anwer Bhasha, S. Arivalagan, P. Sudhakar and R.P. Narmadha, "A New Deterministic Code Collection Technique for Data Compression in Wireless Sensor Networks.", *International Journal of Recent Technology and Engineering*, Volume 7, Number 5C, Apr 2019, pp. 80-86. 2019.

9. Saranya L, Sudhakar P and Mohan S, "Enhanced Object Detection Model using Color and Shape Features Extraction.", *Journal of Applied*

Science and Computations , Volume 6, Number 5, May 2019, pp. 128-134. 2019.

10   C. Christy, S. Arivalagan and P. Sudhakar, "Human Face Recognition and Identifying Ethnicity using Machine Learning.", *International Journal of Information and Computing Science*, Volume 6, Number 5, May 2019, pp. 211-215. 2019.

11   R. P. Jaia Priyankka, Dr. S. Arivalagan and P. Sudhakar, "�Efficient Collaborative Filtering Based Recommendation System for Business Promotions Using Deep Neural Network.", *International Journal of Recent Technology and Engineering*, Volume 7, Number 5S3, May 2019, pp. 125-133. 2019.

12   P. S. Ramesh, Dr. S. Arivalagan and Dr. P. Sudhakar, "An Enhanced Approach to detect Alzheimer Disease in patients based on Spectral Domain Optical Coherence Tomography.", *Journal of Advanced Research in Dynamical and Control Systems*, Volume 11, Number 05, May 2019, pp. 1827-1836. 2019.

13   P. S. Ramesh, Dr. S. Arivalagan and Dr. P. Sudhakar, "Analysis of various Methods for Diagnosing Alzheimer Disease and their Performances.", *International Journal of Advanced Trends in Computer Science and Engineering*, Volume 8, Number 3, Jun 2019, pp. 755-757. 2019.

14   S. Vijay Ananth, P. Sudhakar, K. Sundari, Nibi Maouriyan, R. Raghavi and S. Arivalagan, "Data Hiding in Thermal Image using Levenberg Marquardt Technique.", *International Journal of Recent Technology and Engineering*, Volume 8, Number 1S4, Jun 2019, pp. 421-424. 2019.

15   R. Gayathri and P. Sudhakar, "Secure Migration of Data and Enhanced Accessibility in Cloud Environment.", *Journal of Applied Science and Computations* , Volume 5, Number 9, Sep 2018, pp. 53-58. 2018.

16   Zeenath A and Sudhakar P, "Design of Filter for Detection of Knee Osteoarthritis using Pattern Recognition.", *International Journal of Pure and Applied Mathematics*, Volume 119, Number 7, Mar 2018, pp. 869-874. 2018.

17   Dhanavijayan Ramakrishnan and Sudhakar Pushparajan, "Simultaneous Placement of Distributed Generation and Reconfiguration in Distribution Networks Using Unified Particle Swarm Optimization.", *International Journal on Future Revolution in Computer Science & Communication Engineering*, Volume 4, Number 3, Mar 2018, pp. 41-48. 2018.

18   Dhanavijayan Ramakrishnan and Sudhakar Pushparajan, "Unified Particle Swarm Optimization Based Distributed Generation Placement in Radial Power Systems.", *International Journal of Intelligent Engineering and Systems*, Volume 11, Number 1, Jan 2018, pp. 104-112. 2018.

19   Gowrisankar Kalakoti, Prabhakaran G and Sudhakar P, "Content based Video Retrieval Systems with Local Features - A Survey.", *Asian Journal of Computer Science and Technology*, Volume 7, Number S1, Nov 2018, pp. 58-62. 2018.

20   Gayathri R and Sudhakar P, "An ABC Optimized Data Migration And DE duplication In Secure Cloud Environment.", *Journal of Advanced Research in Dynamical and Control Systems*, Volume 10, Number 13, Dec 2018, pp. 1192-1198. 2018.

21   Saranya L and Sudhakar P, "A Novel Approach for Scene Image Classification using Transform based Ordered Mean Vector.", *Journal of Advanced Research in Dynamical and Control Systems*, Volume 10, Number 13, Dec 2018, pp. 2545-2550. 2018.

22   R. Gayathri and P. Sudhakar, "SecDedup: Cloud Data Deduplication of Security Enhanced Big Data.", *International Journal of Scientific Research and Review*, Volume 7, Number 9, Sep 2018, pp. 319-324. 2018.

23   Zeenath A and Sudhakar P, "Detection of Osteoarthritis by Surface Recovery Using Kl –Review Method with Kalman Filter Banks.", *Journal of Applied Science and Computations*, Volume 5, Number 5, May 2018, pp. 154-159. 2018.

24   Zeenath A and Sudhakar P, "Surface Recovery Estimation using Gabor Channel Parameters.", *International Journal of Scientific Research and Review*, Volume 7, Number 5, May 2018, pp. 365-370. 2018.

25   S. Saravanan and Dr. P. Sudhakar, "Telemedicine Technology using Internet Communication.", *International Journal of Pure and Applied Mathematics*, Volume 115, Number 6, Sep 2017, pp. 147-156. 2017.

26   K. Kumar and P. Sudhakar, "Weighted Pre-Large-Tree Algorithm Generating Temporal Association Rule for Non-Frequent Items in Video Dataset.", *International Journal of Information and Computation Technology*, Volume 7, Number 1, Jun 2017, pp. 1-12. 2017.

27   Kumar K and Sudhakar P, "Generating Temporal Association Rules for frequent items in Concept Level Video Datasets.", *International Journal of Current Advanced Research*, Volume 6, Number 9, Sep 2017, pp. 5811-5814. http://dx.doi.org/10.24327/ijcar.2017.5814.0809/2017.

28   Kumar K and Sudhakar P, "Performance study and challenges for algorithms mining rare and correlated items in video dataset.", *ARPN Journal of Engineering and Applied Sciences*, Volume 12, Number 19, Oct 2017, pp. 5489-5493. 2017.

29   Dhanavijayan Ramakrishnan and Sudhakar Pushparajan, "Unified Particle Swarm Optimization based Feeder Reconfiguration for Radial Distribution Systems.", *International Journal of Pure and Applied Mathematics*, Volume 117, Number 21, Dec 2017, pp. 953-958. 2017.

30   S. Malathi and Dr. P. Sudhakar, "Reusability of a Software using Feature Oriented Domain Analysis Method.", *Advances in Natural and Applied Sciences*, Volume 11, Number 4, May 2017, pp. 599-604. 2017.

31   P. Sudhakar and K. Santhosh Kumar,, "Retrieval of Highly Documents Containing Gene Disease Association.", *International Journal of Simulation -- Systems, Science & Technology*, Volume 17, Number 26, 2016, pp. 8-9. 2016.

32   P. Sudhakar and K. Santhosh Kumar, "Identification of Association

between Prescription Drugs and Side Effects by Analyzing Social Network Messages.", *International Journal on Recent and Innovation Trends in Computing and Communication*, Volume 4, Number 9, Sep 2016, pp. 25-28. 2016.

33 P. Sudhakar and R. Sathya, "Prediction of Success or Failure of Software Projects based on Reusability Metrics using Support Vector Machine.", *International Journal on Recent and Innovation Trends in computing and communication*, Volume 4, Number 9, Sep 2016, pp. 20-24. 2016.

34 P. Sudhakar and K. Santhosh Kumar, "Keyword Based Association Analysis for the Identification Gene Disease Association.", *International Journal for Science and Advance Research In Technology*, Volume 2, Number 9, Sep 2016, pp. 123-127. 2016.

35 P. Sudhakar and R. Sathya, "Prediction of software Defects Based on Software Metrics Using Support Vector Machine.", *International Journal for Science and Advance Research In Technology*, Volume 2, Number 9, Sep 2016, pp. 51-55. 2016.

36 R. Sathya, Dr. P. Sudhakar, "Software performance prediction using random forest based regression analysis.", *International Journal of Engineering Sciences and Research Technology*, Volume 5, Number 10, 2016, pp. 288-293. 2016.

37 R. Sathya, Dr. P. Sudhakar, "Improve Software Quality using Defect Prediction Models.", *International Journal of Engineering and Management Research*, Volume 6, Number 6, 2016, pp. 24-29. 2016.

38 S. Vijay Ananth and P. Sudhakar, "Retrieval of Visual Image from a highly Robustive and Invisible Thermal Image using Curvelet Transformation Technique.", *International Journal of Control Theory and Applications*, Volume 9, Number 16, Sep 2016, pp. 7763-7772. 2016.

39 K. Kumar and P. Sudhakar, "A Study and Improvement on Video Association Mining Algorithm for Effective Confidence Support in Human Activity Dataset: An Event Perspective.", *International Journal of Advanced Research in Computer Science and Software Engineering*, Volume 6, Number 9, Sep 2016, pp. 71-75. 2016.

40 P. Sudhakar, K. Mahalakshmi, S. Manikandan, S. Nithyanandham and K. A. Sathyaseelan, "Unsupervised Learning Technique using Hybrid Optimization for Non-Functional Requirements Classification.", *Asian Journal of Information Technology*, Volume 15, Number 9, 2016, pp. 1457-1467. 2016.

41 Vijay Ananth S and Sudhakar P, "Performance Analysis of a Combined Cryptographic and Steganographic Method over Thermal Images using Barcode Encoder.", *Indian Journal of Science and Technology*, Volume 9, Number 7, Feb 2016, pp. 1-5. 2016.

42 Sudhakar, P and Saranya S, "Mining Robust Overlapping Co-Clustering in the Presence of Noise.", *International Journal of Computer Applications* , Volume 117, Number 13, May 2015, pp. 40-44. 2015.

List of Conferences - National

43   Vijayanand S, Sudhakar P and Arivalagan S, Data Hiding in Thermal Image using Levenberg Marquardt Technique, *National Conference on Power, Circuit and Sustainable energy Systems (PSES-2019)*, Apr 25-26, 2019, Chennai, pp. 1-2. Chennai, SRM Institute of Science and Technology, Chennai.

44   Vijayanand S, Sudhakar P and Sundari K, Audio Steganography under LSB Algorithm using Thermal Image, *DST-PURSE sponsored National Conference on Machine Learning Techniques (NCMLT 2018)*, Dec 12-13, 2018, Annamalai University, Annamalainagar, pp. 294-298. Annamalainagar, Annamalai University.

45   Udayakumar J, Prabakaran G and Sudhakar P, Image watermarking and Encryption scheme for copyright protection using Chaotic Maps Cryptography, *DST-PURSE sponsored National Conference on Machine Learning Techniques (NCMLT 2018)*, Dec 12-13, 2018, Annamalai University, Annamalainagar, pp. 67-71. Annamalainagar, Annamalai University.

46   Gowrisankar Kalakoti, Prabhakaran G and Sudhakar P, Content based Video Retrieval Systems with Local Features - A Survey, *DST-PURSE sponsored National Conference on Recent Trends in Computing and Information Technology (RTCIT'18)*, Nov 13-14, 2018, Annamalai University, Annamalainagar, pp. 159-164. Annamalainagar, Annamalai University.

47   Dr. P. Sudhakar, Telegenic Based Human Action Tracking Using Evolution Features, *National Conference on Advanced Intelligent Computing and Applications '16*, Mar 24-24, 2016, Thathanur, pp. 232-238. Meenakshi Ramasamy Engineering College, Thathanur, NCAICA'16.

48   Dr. P. Sudhakar, Models for Legacy System Evaluation for Effective Migration, *National Conference on Advanced Intelligent Computing and Applications '15*, Feb 9-9, 2015, Thathanur, pp. 56-61. Meenakshi Ramasamy Engineering College, Thathanur, NCAICA'15.

List of Conferences - International

49   C. Christy, Dr. S. Arivalagan and Dr. P. Sudhakar , Deep Learning with Chaotic Encryption based Security Ethnicity Recognition, *Third International Conference on Electronics, Communication and Aerospace Technology (ICECA 2019)*, Jun 12-14, 2019, Coimbatore, Tamilnadu, pp. 814-819. Coimbatore, RVS Technical Campus, Coimbatore.

50   A. Nirmala, Dr. S. Arivalagan and Dr. P. Sudhakar, Performance Evaluation of Bio-Inspired based Visual Tracking Algorithm, *Third International Conference on Electronics, Communication and Aerospace Technology (ICECA 2019)*, Jun 12-14, 2019, Coimbatore, Tamilnadu, pp. 831-836. Coimbatore, RVS Technical Campus, Coimbatore.

51   P. S. Ramesh, Dr. S. Arivalagan, Dr. P. Sudhakar, Analysis of various Methods for Diagnosing Alzheimer Disease and their Performances, *International Conference on Advanced Scientific Innovation in Science, Engineering and Technology (ICASISET 2019)*, Apr 19-20, 2019, Chennai, pp. 1098-1105. Chennai, Bharath Institute of Higher Education and Research, Chennai.

52   Hari Krishnan S, Vijayananth S, Sudhakar P, Hari Krishnan, Priyadharshini K, Gowsic M, Mahesh M , Plant Disease Analysis using Image Processing in Matlab, *2nd IEEE International Conference on Systems, Computation, Automation and Networking*, Mar 29-30, 2019, Puducherry, pp. 695-697. Puducherry, Manakula Vinayagar Institute of Technology.

53   Baskar Kasi, Arivalagan S, Sudhakar P, Seshathiri, Saravanan and Mohan S, IMC Controller for a class of Higher Order Overdamped Systems Approximated as Lower Order Integer and Non-Integer Models using Genetic Algorithm, *2nd IEEE International Conference on Systems, Computation, Automation and Networking*, Mar 29-30, 2019, Puducherry, pp. 1043-1052. Puducherry, Manakula Vinayagar Institute of Technology.

54   S Malathy and P. Sudhakar, Implementation of Software Refactoring using FODA Tool, *2018 IEEE International Conference on Communication and Electronics Systems* , Oct 15-16, 2018, Coimbatore, Tamilnadu, pp. 109-115. PPG Institute of Technology, IEEE.

55   S. Saravanan and Dr. P. Sudhakar, Mobile Internet Speed Testing and Improvement of Internet Speed, *International Conference on Advanced and Information Communication Technology'18*, Mar 8-9, 2018, Karpagam College of Engineering, Coimbatore- 641032, pp. 153-159. Coimbatore, ICT Academy.

56   S. Saravanan and Dr. P. Sudhakar, FM Radio Antenna with Mobile Dish Antenna for Internet Communication in Telemedicine, *2018 IEEE International Conference on Computer Communication and Informatics*, Jan 4-6, 2018, Coimbatore, Tamilnadu, pp. 599-604. Coimbatore, IEEE.

57   S. Saravanan and Dr. P. Sudhakar, Mobile Towers Signal Propagation Problems in Rural Area and to Increase the Internet Speed in Telemedicine, *International Conference on Computer Communication and Informatics*, Jan 5-7, 2017, Coimbatore, pp. 30-34. Coimbatore, IEEE.

58   S. Saravanan and Dr. P. Sudhakar, Telemedicine Communication System in Mobile Unit, *International Conference on Computer Communication and Informatics* , Jan 5-7, 2017, Coimbatore, pp. 45-48. Coimbatore, IEEE.

59   Dr. P. Sudhakar, Retrieval of Visual Image from a highly robustive and Invisible thermal image using Wavelet Transformation Technique, *Joint International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2016) and Power, Circuit and Information Technologies (ICPCIT-2016)*, May 19-21, 2016,

60 SRM University, Kattankulathur, Chennai, pp. 145-151. Chennai, IEEE. P. Sudhakar, Improved Evolutionary Algorithm Design for the Project Scheduling Problem based on Max Min Ant System Algorithm, *International Conference on Research and Development in Information Science and Communication Technology* , May 8-9, 2015, EGS Pillay Engineering College, Nagapattinam, pp. 5-8. EGS Pillay Engineering College, Nagapattinam, EGS Pillay Engineering College.

61 T. Karthika and P. Sudhakar,, Enhanced Evolutionary Algorithm for Project Scheduling Problem, *International Conference on Trends in Engineering and Technology*, Feb 19-20, 2015, Tamizhan College of Engineering and Technology, Kanyakumari, pp. 25-28. Kanyakumari, Tamizhan College of Engineering and Technology.