**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION SYSTEMS**

LIST OF RESEARCH PUBLICATIONS IN SCOPUS INDEXED JOURNALS : 01/01/2020 - 31/12/2020

Papers Published by Faculty in Journals

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| 1. | Tirtharaj Dash,Ashwin Srinivasan,Lovekesh Vig. Incorporating Symbolic Domain Knowledge into Graph Neural Networks, CoRR 2020, 2020 (Data Science) |
| 2. | Ashwin Srinivasan,Lovekesh Vig,Gautam Shroff. Constructing generative logical models for optimisation problems using domain knowledge, 1371-1392, 2020 (Core A, Data Science) |
| 3. | Rakesh Ranjan Swain,Tirtharaj Dash,Pabitra Mohan Khilar. Lightweight approach to automated fault diagnosis in WSNs, IET Networks, DOI: 10.1049/iet-net.2019.0117, 2020 (SCIMAGO Q2, Networks) |
| 4. | Raj K Jaiswal. Position-based routing protocol using Kalman filter as a prediction module for vehicular ad hoc networks, Computers & Electrical Engineering, 83, 106599, 2020 (SCI, Networks , ImpactFactor=2.6) |
| 5. | Zaiba Hasan Khan,Swati Agarwal,Atul Rai,Mounil Binal Memaya,Sandhya Mehrotra,Rajesh Mehrotra. Co-expression Network Analysis of Protein Phosphatase 2A (PP2A) Genes with Stress-Responsive Genes in Arabidopsis thaliana Reveals 13 Key Regulators, Scientific Reports, Nature Publishing Group, DOI: https://dx.doi.org/10.1038%2Fs41598-020-77746-z, 10, 2020 (SCIMAGO Q1, ImpactFactor=4.576) |

CONFERENCES/WORKSHOPS/SEMINAR ATTENDED/PAPERS PRESENTED : 01/01/2020 - 31/12/2020

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| **i) International** |

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|  | 1. | Abhiraj Hinge,Pranav Garg,Neena Goveas. Image Processing for UAV Using Deep Convolutional Encoder–Decoder Networks with Symmetric Skip Connections on a System on Chip (SoC), International Conference on Intelligent Computing and Smart Communication 2019, DOI: ISBN 978-981-15-0633-8, 1009-1015, 2020, Springer, Singapore (Short) (Networks) |
|  | 2. | Mouli Rastogi,Syed Afshan Ali,Mrinal Rawat,Lovekesh Vig,Puneet Agarwal,Gautam Shroff,Ashwin Srinivasan. Information Extraction from Document Images via FCA based Template Detection and Knowledge Graph Rule Induction, 2020 IEEE/CVF Conference on Computer Vision and Pattern Recognition, CVPR Workshops 2020, 2377-2385, 2020, Seattle, WA, USA (Long) (Core A, Data Science) |
|  | 3. | S Giridher,A Gupta,S Jaiswal,Vinayak Naik. Predicting Human Response in Feature Binding Experiment Using EEG Data, Networked Healthcare Technology (NetHealth'20), 2020, India (Short) (SCI, Networks) |
|  | 4. | K Phokela,Vinayak Naik. Use of Smartphone's Headset Microphone to Estimate the Rate of Respiration, Networked Healthcare Technology (NetHealth'20), 2020, India (Short) (SCI, Networks) |
|  | 5. | Sharan Ranjit S,Raj K Jaiswal. Single Image Intrinsic Decomposition Using Transfer Learning, 12th International Conference on Machine Learning and Computing, 418-425, 2020, China (Long) (Others, Data Science) |
|  | 6. | Aman Kumar Singh,Raj K Jaiswal. DDoSify: Server Workload Migration During DDOS Attack In NFV, 9th International Conference on Software and Computer Applications, 364-369, 2020, Malaysia (Long) (Others, Networks) |
|  | 7. | Rajaswa Patil,Somesh Singh,Swati Agarwal. BPGC at SemEval-2020 Task 11: Propaganda Detection in News Articles with Multi-Granularity Knowledge Sharing and Linguistic Features based Ensemble Learning, 14th International Workshop on Semantic Evaluation, Co-located with 28th International Conference on Computational Linguistics (COLING), 2020, Barcelona, Spain (Long) (Core A, Data Science) |
|  | 8. | Swati Agarwal,Rahul Thakur,Utkarsh Yadav,Hemant Rathore. Socio-Cellular Network: A Novel Social Assisted Cellular Communication Paradigm, The 91st Vehicular Technology Conference: VTC2020-Spring, DOI: https://ieeexplore.ieee.org/document/9129642, 2020, Antwerp, Belgium (Long) (Core B, Networks) |
|  | 9. | Sujith Thomas,Aditya Kapoor,Narayanan Srinivasan. Effect of a colour-based descriptor and stimuli presentation mode in unsupervised categorization, Proceedings of the 42nd Annual Conference of the Cognitive Science Society (p. 3531), 3531, 2020, Toronto, Canada. (Poster) (Core A, Data Science) |
|  | 10. | P Sharma,D Gosain,H Sagar,C Kumar,A Dogra,Vinayak Naik,H Acharya,S Chakravarty. SiegeBreaker: An SDN Based Practical Decoy Routing System, Privacy Enhancing Technologies Symposium, 2020, Canada (Long) (Core B, Networks) |
|  | 11. | Sujith Thomas,Narayanan Srinivasan. Better learning of partially diagnostic features leads to less unidimensional categorization in supervised category learning, Proceedings of the 42nd Annual Conference of the Cognitive Science Society (pp. 3444--3450), 3444--3450, 2020, Toronto, Canada (Short) (Core A, Data Science) |
|  | 12. | Rachit Rastogi,Ritika Jaiswal,Raj K Jaiswal. Renewable Energy Firm’s Performance Analysis Using Machine Learning Approach, Procedia Computer Science, Elsevier, 500-507, 2020, Belgium (Long) (SCI, Data Science) |
|  | 13. | Sharan Yalburgi,Tirtharaj Dash,Ramya Hebbalaguppe,Srinidhi Hegde,Ashwin Srinivasan. An Empirical Study of Iterative Knowledge Distillation for Neural Network Compression, European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning, DOI: ISBN 978-2-87587-074-2, 217-222, 2020, Bruges, Belgium (Core B, Data Science) |
|  | 14. | Soundarya Krishnan,Rishab Khincha,Lovekesh Vig,Tirtharaj Dash,Ashwin Srinivasan. A Case Study of Transfer of Lesion-Knowledge, MICCAI-International Workshop on Medical Image Learning with Less Labels and Imperfect Data, DOI: https://doi.org/10.1007/978-3-030-61166-8\_15, 138-145, 2020, Lima, Peru (Long) (Data Science) |
|  | 15. | Kushagra Mahajan,Monika Sharma,Lovekesh Vig,Rishab Khincha,Soundarya Krishnan,Adithya Niranjan,Tirtharaj Dash,Ashwin Srinivasan,Gautam Shroff. CovidDiagnosis: Deep Diagnosis of COVID-19 Patients Using Chest X-Rays, MICCAI-International Workshop on Thoracic Image Analysis, DOI: https://doi.org/10.1007/978-3-030-62469-9\_6, 61-73, 2020, Lima, Peru (Long) (Others, Data Science) |
|  | 16. | Dheryta Jaisinghani,Naman Gupta,Mukulika Maity,Vinayak Naik. Adaptive ViFi: A Dynamic Protocol for IoT Nodes in Challenged WiFi Network Conditions, International Conference on Mobile Ad-Hoc and Smart Systems, 2020, India (Long) (Core B, Networks) |
|  | 17. | Bhavye Jain,Kaustubh Trivedi,Swati Agarwal,Rahul Thakur. MeshSOS: An IoT Based Emergency Response System, In 54th The Hawaii International Conference on System Sciences, 2020, Hawaii (Long) (Core A, Systems) |
|  | 18. | Shourya Shukla,Rahul Thakur,Swati Agarwal. Distributed Vehicular Dynamic Spectrum Access for Platooning Environments., IEEE 92md Vehicular Technology Conference VTC Spring, 2020, Helsinki, Finland (Long) (Core B, Networks) |