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**Area of Interest:**

Machine learning

**Publications:**

- 1 Use of salient features for the design of a multistage framework to extract roads from high-resolution multispectral satellite images  
S Das, TT Mirnalinee, K Varghese  
IEEE transactions on Geoscience and Remote sensing 49 (10), 3906-3931
- 2 Computers in manufacturing: towards successful implementation of integrated automation system  
KD Kumar, L Karunamoorthy, H Roth, TT Mirnalinee  
Technovation 25 (5), 477-488
- 3 The influence of design and everyday practices on individual heating and cooling behaviour in residential homes  
C Eon, GM Morrison, J Byrne  
Energy Efficiency 11 (2), 273-293
- 4 An integrated multistage framework for automatic road extraction from high resolution satellite imagery  
TT Mirnalinee, S Das, K Varghese  
Journal of the Indian Society of Remote Sensing 39 (1), 1-25
- 5 Design of ontology based ubiquitous web for agriculture—A farmer helping system  
K Shyamaladevi, TT Mirnalinee, TE Trueman, R Kaladevi  
2012 International Conference on Computing, Communication and Applications, 1-6
- 6 Integration of region and edge-based information for efficient road extraction from high resolution satellite imagery  
TT Mirnalinee, S Das, K Varghese  
2009 Seventh International Conference on Advances in Pattern Recognition ...
- 7 From optimization to clustering: A swarm intelligence approach  
M Vora, TT Mirnalinee  
Handbook of research on artificial intelligence techniques and algorithms ...
- 8 An ontological representation for Tsunami early warning system  
K Ramar, TT Mirnalinee  
IEEE-international conference on advances in engineering, science and ...
- 9 Machine parts recognition and defect detection in automated assembly systems using computer vision techniques  
P Arjun, TT Mirnalinee

- 10 SSN\_MLRG1 at SemEval-2017 Task 4: sentiment analysis in twitter using multi-kernel gaussian process classifier  
SM Rajendram, TT Mirnalinee  
Proceedings of the 11th International Workshop on Semantic Evaluation ...
- 11 Automatic frontal face reconstruction approach for pose invariant face recognition  
J Kavitha, TT Mirnalinee  
Procedia Computer Science 87, 300-305
- 12 Cloud service ranking and selection using linear programming  
J Preethi, N Sujaudeen, P Venugopal, TT Mirnalinee  
International Journal of Computer Applications 124 (3)
- 13 Affine invariant shape descriptor using object area normalization  
P Arjun, TT Mirnalinee, S Sindhuja, GB Raja  
Power Electronics and Renewable Energy Systems, 1183-1191
- 14 An infrastructure for integrated automation system implementation  
KD Kumar, L Karunamoorthy, H Roth, TT Mirnalinee  
International Journal of Flexible Manufacturing Systems 16 (2), 183-199
- 15 Small world particle swarm optimizer for global optimization problems  
M Vora, TT Mirnalinee  
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- 16 An efficient image retrieval system based on multi-scale shape features  
P Arjun, TT Mirnalinee  
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- 17 SSN\_MLRG1 at SemEval-2017 Task 5: fine-grained sentiment analysis using multiple kernel gaussian process regression model  
SM Rajendram, TT Mirnalinee  
Proceedings of the 11th International Workshop on Semantic Evaluation ...
- 18 Small-World Particle Swarm Optimizer for Real-World Optimization Problems  
M Vora, TT Mirnalinee  
Artificial Intelligence and Evolutionary Algorithms in Engineering Systems ...
- 19 A semantic web for weather forecasting systems  
K Ramar, TT Mirnalinee  
2014 International Conference on Recent Trends in Information Technology, 1-6
- 20 Cross domain sentiment classification using enhanced sentiment sensitive thesaurus (ESST)  
P Sanju, TT Mirnalinee  
2013 Fifth International Conference on Advanced Computing (ICoAC), 370-375
- 21 Critical success factors for the implementation of integrated automation solutions with PC based control

KD Kumar, H Roth, L Karunamoorthy  
Proceedings of the 10th Mediterranean Conference on Control and Automation

- 22 Dynamic small world particle swarm optimizer for function optimization  
M Vora, TT Mirnalinee  
Natural Computing 17 (4), 901-917
- 23 Streaming data classification  
PVS Annapoorna, TT Mirnalinee  
2016 International Conference on Recent Trends in Information Technology ...
- 24 Compact centroid distance shape descriptor based on object area normalization  
P Arjun, TT Mirnalinee, M Tamilarasan  
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- 25 Integration of semantics, sensors and services on the ubiquitous web  
K Shyamaladevi, TT Mirnalinee, TE Trueman, R Kaladevi  
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- 26 An approach to cartographic object Extraction from high resolution satellite imagery  
TT Mirnalinee  
Computational Intelligence and Multimedia Applications, International ...
- 27 A novel dynamic data replication strategy to improve access efficiency of cloud storage  
SN John, TT Mirnalinee  
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- 28 SSN MLRG1 at SemEval-2018 Task 1: emotion and sentiment intensity detection using rule based feature selection  
S Rajalakshmi, SM Rajendram, TT Mirnalinee  
Proceedings of The 12th International Workshop on Semantic Evaluation, 324-328
- 29 Affine Invariant Compact Centroid Distance Shape Descriptor for Image Retrieval,”  
P Arjun, TT Mirnalinee  
Applied Mathematical Sciences 9 (47), 2325-2335
- 30 Construction of enhanced sentiment sensitive thesaurus for cross domain sentiment classification using wiktionary  
P Sanju, TT Mirnalinee  
Proceedings of the Third International Conference on Soft Computing for ...
- 31 Heterogeneous information management using ontology mapping  
K Ramar, TT Mirnalinee
- 32 TECHSSN at SemEval-2019 Task 6: Identifying and Categorizing Offensive Language in Tweets using Deep Neural Networks  
A Suseelan, S Rajalakshmi, B Logesh, S Harshini, B Geetika, ...  
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- 33 SSN MLRG1 at SemEval-2018 Task 3: irony detection in English tweets using multilayer

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- 34 Review of Feature Extraction and Matching Methods for Drone Image Stitching  
MD Lakshmi, P Mirunalini, R Priyadharsini, TT Mirnalinee  
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- 35 Small world particle swarm optimizer for data clustering  
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- 36 Heterogeneous data management on environmental sensors using ontology mapping  
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- 37 Determining the impact of reviews: In view of temporal pattern and component weight  
assignment algorithm with SVM  
T Kohilakanagalakshmi, TE Trueman, TT Mirnalinee  
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- 38 SSN-SPARKS at SemEval-2019 Task 9: Mining Suggestions from Online Reviews using Deep  
Learning Techniques on Augmented Data  
S Rajalakshmi, A Suseelan, SM Rajendram, TT Mirnalinee  
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- 39 Adaptive link rates for burst based transmission towards the prosperity of green networks  
N Sowmiya, HS Hamead, TT Mirnalinee  
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- 40 Cross Domain Sentiment Classification by Extracting Best Opinion Features  
P Sanju, T Mirnalinee  
Australian Journal of Basic and Applied Sciences 10 (2), 192-198
- 41 Intelligent Robot with Aspect based Sentiment Analysis  
P Sanju, TT Mirnalinee  
Téc. Ing. Univ. Zulia
- 42 Semi-supervised document clustering using Seeds affinity propagation and consensus algorithm  
in multi-domain settings  
R Radha, TT Mirnalinee, TE Trueman  
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- 43 Deep Learning based TB Severity Prediction  
U Balwal, SA Yeragudipati, J Bhuvana, TT Mirnalinee  
CLEF2020 Working Notes. CEUR Workshop Proceedings, Thessaloniki, Greece ...
- 44 Deep Learning-Based Malware Detection and Classification  
TT Mirnalinee, J Bhuvana, DJ Nallathambi, A Muthukumar  
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- 45 Emulation of burst-based adaptive link rates in NetFPGA towards green networking  
S HAMEAD, M TT  
Turkish Journal of Electrical Engineering & Computer Sciences 28 (3), 1246-1263
- 46 TARNN: Task-aware autonomic resource management using neural networks in cloud environment  
N Sujaudeen, TT Mirnalinee  
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- 47 Contextual Emotion Detection in Text Using Ensemble Learning  
SA Deborah, S Rajalakshmi, SM Rajendram, TT Mirnalinee  
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- 48 Deep learning models for estimation of flood severity using Satellite and News Article Images  
H Ganapathy, G Bandlamudi, L Yamini, J Bhuvana, TT Mirnalinee
- 50 Secured Data Storage and Retrieval Techniques for Effective Handling of Transport Data  
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- 51 Software Performance Testing Using Dynamic Load Generation in Cloud Environment  
K Mohanram, T Mirnalinee  
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