

Publications

Journal

1. P.Mahesha and D.S.Vinod, **Gaussian Mixture Model Based Classification of Stuttering Dysfluencies**, Journal of Intelligent Systems, volume 25, issue 3, page 387 to 399, published online on June 2015, print version published on July 2016. ISSN (Online): 2191 – 026X, ISSN (Print): 0334 – 1860, DOI: 10.1515/jisys-2014-0140. Published by De Gruyter.
2. P.Mahesha and D.S.Vinod, **Support vector machine-based stuttering dysfluency classification using GMM supervectors**, International Journal of Grid and Utility Computing (IJGUC), volume 6, issue 3/4, page 143 to 149, 2015. ISSN (Online): 1741 – 8488, ISSN (Print): 1741 – 847X, DOI: 10.1504/IJGUC.2015.070680. Published by Inderscience.
3. Vani Ashok and D.S.Vinod, **Using K-Means Cluster and Fuzzy C Means for Defect Segmentation in Fruits**, International Journal of Computer Engineering and Technology (IJCET), volume 5, issue 9, page 11 to 19, September 2014. ISSN (Online): 09766375, ISSN (Print): 09766367. Published by IAEME.
4. P.Mahesha and D.S.Vinod, **An Approach for Classification of Dysfluent and Fluent Speech Using K-NN And SVM**, International Journal of Computer Science, Engineering and Applications (IJCSEA), volume 2, issue 6, page 23 to 32, December 2012. ISSN (Online): 2230 – 9616, ISSN (Print): 2231 – 0088, DOI: 10.5121/ijcsea.2012.2603. Published by AIRCC.
5. P.Mahesha and D.S.Vinod, **Vector Quantization and MFCC based Classification of Dysfluencies in Stuttered Speech**, Bonfring International Journal of Man Machine Interface, volume 2, issue 3, page 1 to 6, September 2012. ISSN (Online): 2277 – 5064, ISSN (Print): 2250 – 1061, DOI: 10.9756/BIJMMI.2019. Published by Bonfring.
6. T.N. Nagabhushan and D.S.Vinod, **A Modified Training Scheme to Self Organizing Feature Map to Cluster Multispectral Images**, International Journal of Signal and Imaging Systems Engineering (IJSISE), issue 1, Volume 3, page 31 to 39, July 2010. ISSN (Online): 1748 – 0701, ISSN (Print): 1748 – 0698, DOI: 10.1504/IJSISE.2010.034630. Published by Inderscience.
7. D.S. Vinod, Akshatha R Bhat, Vidyullatha Prakash, Shiva Prakash M and Shanmugam Kannan, **Intensity Based Image Mosaicing**, International Journal of Computers, issue 4, Volume 1, page 285 to 290, December 2007. ISSN: 1998 – 4308. Published by NAUN.

Conference Proceeding

1. Shyla Raj and D.S.Vinod, **Automated segmentation of lung parenchyma in the presence of High Attenuation patterns using Modified Robust Spatial Kernel FCM**, presented at the 3rd International Conference on : Cognitive Computing and Information Processing (CCIP-2017), held at JSSATE, Bangalore, India on 15 to 16 December 2017.
2. P. Mahesh and D.S. Vinod, **LP-Hillbert Transform Based MFCC for Effective Discrimination of Stuttering Dysfluencies**, presented at the International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET 2017) held at Chennai, India on 22nd to 24th March 2017.
3. Vani Ashok and D.S.Vinod, **A comparative study of feature extraction methods in defect classification of mangoes using neural network**, proceedings of the 2nd International Conference on : Cognitive Computing and Information Processing (CCIP-2016), held in Sri Jayachamarajendra College of Engineering, Mysore, India on 12 to 13 August 2016. ISBN (Online): 978 – 1 – 5090 – 1025 – 7 ISBN (Print) : 978 – 1 – 5090 – 1026 – 4, DOI: 10.1109/CCIP.2016.7802851. Organised by Sri Jayachamarajendra College of Engineering, Mysore, India. Published by IEEE.
4. Shyla Raj and D.S.Vinod, **Automatic Defect Identification and Grading System for Jonagold Apples**, proceedings of the 2nd International Conference on : Cognitive Computing and Information Processing (CCIP-2016), held in Sri Jayachamarajendra College of Engineering, Mysore, India on 12 to 13 August 2016. ISBN (Online): 978 – 1 – 5090 – 1025 – 7 ISBN

(Print) : 978 – 1 – 5090 – 1026 – 4, DOI: 10.1109/CCIP.2016.7802851. Organised by Sri Jayachamarajendra College of Engineering, Mysore, India. Published by IEEE.

5. P.Mahesha and D.S.Vinod, **Automatic Segmentation and Classification of Dysfluencies in Stuttering Speech**, proceedings of the 2nd International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2016), held at Udaipur, Rajasthan, India on 4th to 5th March 2016. ISBN: 978 – 1 – 4503 – 3962 – 9, DOI: 10.1145/2905055.2905245. Organised by ACM and CSI. Published by ACM.
6. Vani Ashok and D.S.Vinod, **Automatic Quality Evaluation of Fruits Using Probabilistic Neural Network Approach**, proceedings of the first International Conference on Contemporary Computing and Informatics (IC3I), page 308 to 311, held in Sri Jayachamarajendra College of Engineering, Mysore, India on 27 to 29 November 2014. ISBN: 978 – 1 – 4799 – 6629 – 5, INSPEC Accession Number: 14871816, Part Number: *CFP14AWQ – ART*, DOI: 10.1109/IC3I.2014.7019807. Organised by Sri Jayachamarajendra College of Engineering, Mysore, India. Published by IEEE.
7. P.Mahesha and D.S.Vinod, **Delta Cepstral Analysis for Classification of Repetition and Prolongation Stuttering Distances**, proceedings of the 8th International Conference on Image and Signal Processing (ICISP-2014), page 408 to 414, held in University Visvesvaraya College of Engineering, Bangalore, India on 25th to 27th of July 2014, ISBN: 9789351072522. Proceedings title: "Digital Image and Signal Processing". Organised by University Visvesvaraya College of Engineering, Bangalore, India. Published by Elsevier.
8. Vani Ashok and D.S.Vinod, **Using K-means Cluster and Fuzzy C Means for Defect Segmentation in Fruits**, 2nd International Conference on Current Trends in Engineering and Management (ICCTEM-2014), Page 1213 to 1219 held in Vidyavardhaka College of Engineering, Mysore, India on 17th to 19th of July 2014. Organised by Vidyavardhaka College of Engineering, Mysore, India. (Abstract: page 144 to 145, ISBN: 9789383842612 published by Excel India publishers). (Published in Journal)
9. P.Mahesha and D.S.Vinod, **Combining Cepstral and Prosodic Features for Classification of Disfluencies in Stuttered Speech**, International Conference on Intelligent Computing, Communication and Devices (ICCD-2014), volume 308, page 623 to 633, held in Bhubaneswar, Orissa India on 18th to 19th of February 2014. ISBN (Online): 978 – 81 – 322 – 2012 – 1, ISBN (Print): 978 – 81 – 322 – 2011 – 4, DOI: 10.1007/978-81-322-2012-1_67, Series ISSN 2194 – 5357. Series title: Advances in Intelligent Systems and Computing. Book title: Intelligent Computing, Communication and Devices. Book Subtitle: Proceedings of ICCD 2014, Volume 1 (**Book Chapter**). Organised by the Siksha 'O' Anusandhan University, Bhubaneswar, Odisha, India. Published by Springer.
10. P.Mahesha and D.S.Vinod, **Using Orthographic Transcripts for Stuttering Dysfluency Recognition and Severity Estimation**, International Conference on Intelligent Computing, Communication and Devices (ICCD-2014), volume 308, page 613 to 621, held in Bhubaneswar, Orissa India on 18th to 19th of February 2014. ISBN (Online): 978 – 81 – 322 – 2012 – 1, ISBN (Print): 978 – 81 – 322 – 2011 – 4, DOI: 10.1007/978-81-322-2012-1_66, Series ISSN 2194 – 5357. Series title: Advances in Intelligent Systems and Computing. Book title: Intelligent Computing, Communication and Devices. Book Subtitle: Proceedings of ICCD 2014, volume 1 (**Book Chapter**). Organised by the Siksha 'O' Anusandhan University, Bhubaneswar, Odisha, India. Published by Springer.
11. P.Mahesha and D.S.Vinod, **Classification of Speech Dysfluencies using Speech Parameterization Techniques and Multiclass SVM**, The 9th International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (QSHINE-2013), volume 115, page 298 to 308, held in Gautam Buddha University, Greater Noida, India on 11th to 12th of January 2013. ISBN (Online): 978 – 3 – 642 – 37949 – 9, ISBN (Print): 978 – 3 – 642 – 37948 – 2, DOI: 10.1007/978-3-642-37949-9_26, Series ISSN 1867 – 8211. Series title: Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (LNICST). Book title: Quality, Reliability, Security and Robustness in

Heterogeneous Networks. Book Subtitle: 9th International Conference, QShine 2013, Greder Noida, India, January 11 – 12, 2013 (**Book Chapter**). Organised by European Alliance for Innovation (EAI). Published by Springer.

12. P.Mahesha and D.S.Vinod, **Feature Based Classification of Dysfluent and Normal Speech**, The 2nd International Conference on Computational Science, Engineering and Information Technology (CCSEIT-2012), page 594 to 597, held in Avinashilingam University, Coimbatore, India on 26th to 28th of October 2012. ISBN: 978 – 1 – 4503 – 1310 – 0, DOI: 10.1145/2393216.2393315. Published and Organised by Association for Computing Machinery (ACM). (Published in Journal)
13. P.Mahesha and D.S.Vinod, **Automatic classification of dysfluency in stuttered speech using MFCC**, International Conference on Computing, Communication and Information Technology (ICCCIT-2012), page 181 to 184, held in Jaya Engineering College, Chennai, India on 27th to 29th June 2012. ISBN 978 – 93 – 82338 – 02 – 4. Organised by Jaya Engineering College, Chennai, India. Published by Bonfring. (Published in Journal)
14. Pooja Srinath, Mohan Kumar A.S. and D.S.Vinod, **MobiFinder: Mobile Application to Find the Best Mode of Local Transport**, 13th Annual International Conference and Exhibition on Geospatial Information Technology and Applications (Map India 2010) held in Gurgaon, India on 19th to 21st January 2010. Organised and published by GIS Development India.
15. T.N. Nagabhushana and D.S.Vinod, **Segmentation of Moon Image Using Gravitational Symbolic Clustering**, National Conference on The Scientific Aspects of Chandrayana-I and Ancient Indian Concepts of Moon, ALMANAC 07, page 6 to 7, held in Dayananda Sagar Institute, Bangalore, India on 29th to 30th of November 2007. Organised and published Dayanand Sagar Institutions, Bangalore, India.
16. D.S. Vinod, Akshatha R Bhat, Vidyullatha Prakash, Shivaprakash M and Shanmugam Kannan, **Intensity Based Image Mosaicing**, 7th World Scientific and Engineering Academy and Society, International Conference on Applied Computer Science (ACS 07), page 111 to 116, held in Venice, Italy on 21st to 23rd of November 2007. ISBN : 978 – 960 – 6766 – 15 – 2, ISSN (Print): 1790 – 5117, ISBN (Online /CD): 978 – 960 – 6766 – 18 – 3.Organized and published by WSEAS. (Published in Journal)
17. D.S. Vinod and T.N. Nagabhushana, **A Unified Training Scheme for Self-Organizing Feature Map and its Applications to Magnetic Resonance Image Analysis**, 8th World Multi-conference on Systemics, Cybernetics and Informatics, volume 308, page 202 to 206, held in Orlando, Florida, USA on 18th to 21st of July 2004. (Travel sponsored by AICTE, New Delhi, India), ISBN (Print): 980 – 6560 – 13 – 2, ISBN (CD): 980 – 6560 – 14 – 0. Proceedings title: Computer and Information Systems, Technologies and Applications. Organised and published by IIIS.
18. D.S. Vinod and T.N. Nagabhushana, **Self Organizing Feature Map to Classify Remotely Sensed Data**, 6th convention of Mineralogical Society of India and International Seminar on Earth resource Management, page 94 to 95, held in Shimogha, India on 28th to 30th of January 2004. Organised and published by the Department of PG Studies and Research in Applied Geology, Kuvempu University, Shankaraghatta, India.
19. D.S. Vinod and T.N. Nagabhushana, **Classification of Remotely Sensed Data using Gravitational Symbolic Clustering**, International Conference Map India 2003 held in New Delhi, India on 28th to 31st of January 2003. Organised and published by GIS Development, India.
20. D.S. Vinod and T.N. Nagabhushana, **Classification of Multispectral Images using Symbolic Gravitational Approach**, National Conference in Recent Trends in Information Technology, page 29 to 34, held at Karpagam Arts and Science College, Coimbatore, India on 22nd to 24th of August 2002. Organised and published by Department of Computer Science, Karpagam Arts and Science College, Coimbatore, India.

21. T.N. Nagabhushana and D.S.Vinod, **Classification of Remotely Sensed Data using Self Organizing Feature Map**, International Conference on Remote sensing GIS/GPS, Volume 1, page 420 to 424, held in Hyderabad, India on 2nd to 5th of February 2001. ISBN 81 – 7800 – 010 – 5. Proceedings title: Spatial Information Technology Remote Sensing and Geographical Information Systems. Organised by Centre for Spatial Information Technology, JNTU, Hyderabad, India. Published by BS Publications, Hyderabad, India.