

Curriculum Vitae

Dr. S. Ramakrishnan

Professor and Head

Department of Information Technology

Dr. Mahalingam College of Engineering and Technology

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Dr.S.Ramakrishnan received the B.E. degree in Electronics and Communication Engineering in 1998 from the Bharathidasan University, Trichy, and the M.E. degree in Communication Systems in 2000 from the Madurai Kamaraj University, Madurai. He received his PhD degree in Information and Communication Engineering from Anna University, Chennai in 2007.

He has 11 years of teaching experience and 1 year industry experience. He is a Professor and the Head of the Department of Information Technology, Dr. Mahalingam College of Engineering and Technology, Pollachi, India.

Dr. Ramakrishnan is a Reviewer of 14 International Journals such as IEEE Transactions on Image Processing, IET Journals (Formerly IEE), ACM Computing Reviews, Elsevier Science, International Journal of Vibration and Control, IET Generation, Transmission & Distribution, etc. He is in the editorial board of 6 International Journals. He is a Guest Editor of special issues in 3 International Journals including Telecommunication Systems Journal of Springer. He has published 59 papers in international, national journals and conference proceedings. Dr. S. Ramakrishnan has published a book for LAP, Germany. He has also reviewed 2 books for McGraw Hill International Edition and 1 book for ACM Computing Reviews. He is the convenor of IT board in Anna University of Technology- Coimbatore Board of Studies (BoS). He is guiding 10 PhD research scholars. His biography has been included in Marquis Who's Who in the World 2011 edition. His areas of research include digital image processing, soft computing, human-computer interaction, wireless sensor network and cognitive radio.

*** Academic Degrees and Transcripts...**

- ◆ **PhD** Information and Communication Engineering,
PSG College of Technology, Anna University (2007), Chennai
Title A Study on Wavelets Based Image Texture Classification
Grade Highly Commended
- ◆ **M.E** Communication Systems,
Thiagarajar College of Engineering, Madurai Kamaraj University (2000), Madurai
Grade First Class with Distinction & 80.33%
- ◆ **B.E** Electronic and Communication Engineering,
Jayaram College of Engg. & Technology, Bharathidasan University (1998), Trichy
Grade First Class & 73.14%

**** Academic Proficiency...**

- 1- Qualified in GATE 99 Exam with 81.57 Percentile
- 2- Scored centum in one of the papers named "Numerical Methods" in B.E Fifth Semester University Examinations
- 3- Department 3rd Rank in B.E
- 4- Department 2nd Rank in M.E
- 5- School First in HSC
- 6- School Second in SSLC

**** Employment History...**

- 1- **Since June 1, 2010 Professor and Head** in Department of Information Technology, Dr.Mahalingam College of Engineering and Technology, Pollachi, Affiliated to Anna University, Coimbatore.
- 2- **From April 29,2008 - May 31, 2010, Associate Professor and Head** in Department of Information Technology, Dr.Mahalingam College of Engineering and Technology, Pollachi, Affiliated to Anna University, Coimbatore.
- 3- **From June 10, 2005-April 28,2008, Senior Lecturer** in Department of Information Technology, PSG College of Technology, Coimbatore, Affiliated to Anna University, Chennai
- 4- **From June 11, 2001- June 9, 2005, Lecturer** in Department of Information Technology, PSG College of Technology, Coimbatore, Affiliated to Anna University, Chennai
- 5- **From Oct 30, 2000- June 08, 2001, Lecturer** in Department of ECE, Priyadarshini Engineering College, Vaniyambadi, Affiliated to University of Madras
- 6- **From Aug 13 1999- Oct 29,2000, Teaching Assistance as a GATE Scholar** in Department of ECE, Thiagarajar College of Engineering, Madurai, Affiliated to Madurai Kamaraj University
- 7- **From June 06, 1998- May 06, 1999, Engineer** in R&D Department, Venus Electronics, Thiruthuraiipundi

**** Reviewer of International Journals ...**

- 1- IEEE Transactions on Image Processing
- 2- IET Communications
- 3- Elsevier Science- International Journal of Applied Earth Observation & Geoinformation
- 4- ACM Computing Reviews
- 5- IET Generation, Transmission & Distribution
- 6- IET Radar, Sonar & Navigation
- 7- International Journal of Intelligent Data Analysis
- 8- International Journal of Tomography & Statistics
- 9- International Journal of Physical Sciences

- 10- *ComSIS Journal*
- 11- *International Journal of Computer Systems Science & Engineering*
- 12- *AMSE Periodicals*
- 13- *Journal of Scientific Research and Essays*
- 14- *International Journal of Vibration and Control*

**** Editorial Board Member ...**

- 1- *International Journal of Computer Theory and Engineering*(Associate Editor)
- 2- *Machine Intelligence Research Labs (MIR Labs), USA*
- 3- *WebmedCentral, UK, Biomedical Engineering Advisory Board Member*
- 4- *International Journal of Computer and Electrical Engineering*
- 5- *International Journal of Engineering and Technology*
- 6- *International Journal of Computational Intelligence and Telecommunication Systems*

**** Guest Editor of International Journals ...**

- 1-Edited a Special issue on "Signal Processing Applications in Human Computer Interaction" for the "Telecommunication Systems Journal" published by Springer Verlag, Germany, On Line First, Sep 2011. (DOI 10.1007/s11235-011-9627-9).
- 2-Edited a Special Issue on "Statistical & Soft Computing Techniques for System Analysis and Design" Vol. 37, No. 1, Feb 2010, *International Journal of Computer Science* Published by International Association of Engineers (IAENG), Hong Kong.
- 3-Editing a Special Issue from the selected papers from World Congress on Information and Communication Technologies 2011(WICT 2011) for *International Journal of Tomography & Statistics*, Indian Society for Development and Environment Research.

**** Books Published ...**

- 1- Ramakrishnan S. and Ibrahiem M.M.El Emary. "Computational Techniques and Algorithms for Image Processing (ISBN: 978-3-8433-5802-6)", Lambert Academic Publishing, Germany, 2010.
- 2- (On Going)Ibrahiem M.M.El Emary and Ramakrishnan S. "Wireless Sensor Networks: From Theory to Applications" ,CRC Press, Taylor & Francis Group, USA

- 3- (Editing this book) Ramakrishnan S, "Speech Processing (ISBN: 979-953-307-620-0)", InTech Publisher, Croatia.
- 4- (Editing this book) Ramakrishnan S, "Speech Recognition, (ISBN: 979-953-307-790-0)", InTech Publisher, Croatia.

**** Research Interest...**

- 1- Image Classification, Watermarking and Compressing
- 2- Speech Emotion Recognition
- 3- EEG Signal Classification and Brain Tissue Classification
- 4- Wavelet Transformation
- 5- Artificial Neural Networks
- 6- Wireless Sensor Networks and Network Security
- 7- Cognitive Radio

**** Computer Proficiency...**

- 1- Matlab (Advanced Level)
- 2- Object Modeling Concepts & UML (Theoretical)
- 3- C (Basic Level)

**** Courses Being Taught ...**

- 1- Object Oriented Analysis and Design
- 2- Decision Support Systems
- 3- Information Security
- 4- Information Coding Techniques
- 5- Signals and Systems
- 6- Digital Signal Processing
- 7- Telecommunication Switching Techniques
- 8- Information System Design
- 9- Numerical Methods
- 10- Mobile Computing

**** Supervision and Examination of Scientific Research.. ...**

- 1- PhD- 8 Ongoing
- 2- B.E (ECE)- 4 Projects
- 3- B.E(IT) - 3 Projects
- 4- B.Tech (IT)- about 40 Industry and 8 Academic Projects
- 5- M.Tech (IT)- 3 Projects

**** Papers Published in Refereed Journals ...**

International Journals

1. Ramakrishnan S.,and Selvan S., 'SVD Based Modeling for Image Texture Classification Using Wavelet Transformation', *IEEE Transactions on Image Processing, A Publication of IEEE Signal Processing Society*, Vol.16, No.11, pp.2688-2696, Nov 2007.
2. Ramakrishnan S., and Ibrahiem M.M.El Emary 'Speech Emotion Recognition Approaches in Human Computer Interaction', *Telecommunication Systems, Springer*, DOI 10.1007/s11235-011-9624-z On Line First Publication, Sep 2011.
3. Ramakrishnan S., Gopalakrishnan T., and Balasamy K., 'A Wavelet Based Hybrid SVD Algorithm for Digital Image Watermarking', *International Journal on Signal and Image Processing*, Vol.2, No.3, pp. 157-174, (DOI : 10.5121/sipij.2011.2313) Sep 2011.
4. Ramakrishnan S., and Ibrahiem M.M.El Emary 'Classification Brain MR Images through a Fuzzy Multiwavelets Based GMM and Probabilistic Neural Networks', *Telecommunication Systems, Springer*, Vol.46, No.3, pp.245-252, March 2011.
5. Ibrahiem M.M.El Emary, and Ramakrishnan S., 'A Critical Review of Statistical Modeling of Digital Images' *IAENG International Journal of Computer Science Published by International Association of Engineers Hong Kong*, Vol.37, Issue.01, pp.99-109, March 2010.
6. Ramakrishnan S., and Ibrahiem M.M.El Emary, 'Estimation Techniques for Statistical Model Parameters of Digital Images', *Scientific Bulletin Series: Electronics and Computer Science, Published by University of Pitesti*, Vol.10, Issue.01, pp.18-24, July 2010.
7. Ramakrishnan S. and Ibrahiem M.M.El Emary, 'Comparative Study between Traditional and Modified Probabilistic Neural Networks', *Telecommunication Systems, Springer*, Vol.40, No.1-2, pp.67-74, Feb 2009.
8. Ibrahiem M.M.El Emary, and Ramakrishnan S. 'On the Application of Various Probabilistic Neural Networks in Solving Different Pattern Classification Problems', *World Applied Sciences Journal, A Publication of IDOSI*, Vol.4, No.6, pp.772-780, Dec 2008.
9. Ramakrishnan S. and Selvan S., 'Classification of Soil Texture Based on Wavelet Domain Singular Values', *International Journal of Tomography & Statistics, Indian Society for Development and Environment Research*, Vol. 9, No. S08, pp.33-50, Summer 2008.
10. Ramakrishnan S. and Selvan S., 'Image Texture Classification Using Wavelet Based Curve Fitting and Probabilistic Neural Network', *International Journal of Imaging Systems and Technology, A Publication of Wiley InterScience*, Vol.17, No.4, pp. 266 – 275,Dec 2007.
11. Ramakrishnan S. and Selvan S., 'Image Texture Classification Using Wavelet Packet Transform and Probabilistic Neural Network', *Intelligent Data Analysis - An International Journal, A Publication of IOS Press*, Vol. 11, No.6, pp. 691- 705, Dec 2007.
12. Ramakrishnan S. and Selvan S., 'Multiwavelet Based Modeling for Image Texture Classification', *AMSE Periodicals- (Advances in Modelling- Series B: Signal Processing and*

Pattern Recognition), A Publication of Association for the Advancement of Modelling and Simulation Techniques in Enterprises, Vol.50 , Issue 04, pp. 64-79, Sep 2007

13. Ramakrishnan S. and Selvan S., 'Multiwavelet Domain Singular Value Features for Image Texture Classification', Springer, Journal of Zhejiang University SCIENCE –A, Vol. 8, No. 4, pp.538-549, April 2007.
14. Ramakrishnan S. and Selvan S., 'Wavelet Based Modeling of Singular Values for Image Texture Classification', International Journal of Machine GRAPHICS &VISION, A Publication of Institute of Computer Science of the Polish Academy of Sciences, Vol. 15, No. 2, pp.211-225, June 2007.
15. Ramakrishnan S. and Selvan S., 'Classification of Brain Tissues Using Multiwavelet Transformation and Probabilistic Neural Network', International Journal of Simulation: Systems, Science & Technology, A publication of the United Kingdom Simulation Society, Vol.7, No.9, pp.9-25, December 2006.
16. Ramakrishnan S. and Selvan S., 'A New Statistical Model Based on Wavelet Domain Singular Value Decomposition for Image Texture Classification', International Journal on Graphics, Vision and Image Processing, A Publication of International Congress for Global Science and Technology, Vol.6, No.3, pp.15-22, December 2006.
17. Ramakrishnan S. and Selvan S. 'Wavelet Transform Based Impulsive Noise Removal: A Smart Non-Linear Filtering Approach', Proc. of SPIE, Smart Materials, Structures, and Systems, A Publication of International Society of Optical Engineering, Vol. 5062, pp.517-523, Oct 2003.

National Journals

18. Ramakrishnan S. and Selvan S., 'Hybrid Approach for Image Texture Classification Based on Wavelet Transformation and Singular Value Decomposition', Journal of the Computer Society of India, A Publication of Computer Society of India, Vol.37, No.2,pp.8-15, April-June 2007.
19. Ramakrishnan S. and Selvan S., 'Texture Image Segmentation Using Modified Wavelet Transform', National Journal of Technology, A Publication of PSG College of Technology, Vol.1 No.2, pp.37-41, June 2005.
20. Ramakrishnan S. and Selvan S., 'Image Texture Classification Based on New Feature Extraction Algorithm Using Wavelet Packet Transform', National Journal of Technology, A Publication of PSG College of Technology, Vol.1 No.3, pp.14-18, December 2005.
21. Ramakrishnan S. and Selvan S., 'Zero Crossing Rates of Multiwavelet Transform Coefficients for Image Texture Classification', National Journal of Technology, A Publication of PSG College of Technology, Vol.1 No.3, pp.68-73, December 2005.

****My Reviews in ACM Computing Reviews ...**

22. Review on the article "From classifiers to discriminators: a nearest neighbor rule induced discriminant analysis", Yang J., Zhang L., Yang J., Zhang D. *Pattern Recognition* 44 (7): 1387-1402, 2011. (This review has been published by ACM Computing Reviews, Review #: CR139638 , 02 Dec 2011).
23. Review on the article "A detailed investigation into low-level feature detection in spectrogram images", Lampert T., O'Keefe S. *Pattern Recognition* 44 (9): 2076-2092, 2011. (This review has been published by ACM Computing Reviews, Review #: CR139620, 30 Nov 2011).
24. Review on the article "Local binary patterns for multi-view facial expression recognition", Moore S., Bowden R. *Computer Vision and Image Understanding* 115 (4): 541-558, 2011. (This review has been published by ACM Computing Reviews, Review #: CR139612, 29 Nov 2011).
25. Review on the book " Introduction to digital signal processing : computer musically speaking" Park T., World Scientific Publishing Co, Inc., River Edge, NJ, 2009. 452 pp. (This review has been published by ACM Computing Reviews, Review #: CR138293, 19 August 2010).
26. Review on the article "K-Top Scoring Pair Algorithm for Feature Selection in SVM with Applications to Microarray Data Classification", Yoon S., Kim S. *Soft Computing* 14 (2): 151-159, 2009. (This review has been published by ACM Computing Reviews, Review #: CR137765 (1006-0582), 1 March 2010).
27. Review on the article "A nonlinear Derivative Scheme Applied to Edge Detection" Laligant O., Truchetet F. *IEEE Transactions on Pattern Analysis and Machine Intelligence* 32 (2): 242-257, 2010. (This review has been published by ACM Computing Reviews, Review #: CR138479 (1104-0443), 13 Oct 2010).

**** Papers Published in Refereed Conferences ...**

International Conferences

28. Muthanantha Murugavel A.S., **Ramakrishnan S.**, "Multi-Class SVM for EEG Signal Classification Using Wavelet Based Approximate Entropy", *Proceedings of Springer LNICST - Second International Conference on Computer Science and Information Technology (CCSIT- 2012)*, pp.335-344, 2-4 January, 2012, Bangalore, India. ISSN: 1867-8211, ISBN: 978-3-642-27308-7, DOI: 10.1007/978-3-642-27308-7.
29. Sathiyamurthi P, and **Ramakrishnan S.**, 'Emotional Speech Recognition for Human – Robot Interaction', *Proceedings of First International Conference on Innovations in Computers, Information and Communications (ICICIC-2012)* , pp. 308–311, January 5 to 7, 2012, PSG College of Technology , Coimbatore, India.
30. Muthanantha Murugavel A.S, **Ramakrishnan S.**, Vaishnavi G, Sakthi Sree Keerthana R., "An Optimized Extreme Learning Machine For Seizure Detection", *Proceedings of International Conference on Futuristic Trends in Computer Science Engineering & Information*

Technology (ICCT2012), pp.44-50, Vol.4, 28-29 January 2012, Thiruvalluvar College of Engineering and Technology, Vandavasi, Tamilnadu, India.

31. Balasamy K, **Ramakrishnan S**, Harikalaprasath A, Manojkumar M., "Multiple Layer Watermarking Using Reduced Difference Expansion Method", Proceedings of International Conference on Futuristic Trends in Computer Science Engineering & Information Technology (ICCT2012), pp.67-69, Vol.4, 28-29 January 2012, Thiruvalluvar College of Engineering and Technology, Vandavasi, Tamilnadu, India.
32. Sathyamurthi P, **Ramakrishnan S**, Vijaya Raghava B, Suganthport A., "Speech Enhancement Using Minimum Mean Square Estimator For Stationary and Non stationary Environment", Proceedings of International Conference on Futuristic Trends in Computer Science Engineering & Information Technology (ICCT2012), pp.170-174, Vol.4, 28-29 January 2012, Thiruvalluvar College of Engineering and Technology, Vandavasi, Tamilnadu, India.
33. Gopalakrishnan T., **Ramakrishnan S.**, Balasamy K., Muthananda Murugavel A.S., 'Semi Fragile Watermarking Using Gaussian Mixture Model For Malicious Image Attacks' Proceedings of IEEE 2011 World Congress on Information and Communication Technologies (WICT 2011), pp.120-125, 11-14 Dec 2011, University of Mumbai, Mumbai, India. ISBN: 978-1-4673-0125-1, IEEE Catalog Number: CFP1168R-CDR.
34. Muthananda Murugavel A.S.,**Ramakrishnan S.**, Balasamy K., Gopalakrishnan T., 'Lyapunov Features based EEG Signal Classification By Multi-Class SVM' Proceedings of IEEE 2011 World Congress on Information and Communication Technologies (WICT 2011), pp.197-201, 11-14 Dec 2011, University of Mumbai, Mumbai, India. ISBN: 978-1-4673-0125-1, IEEE Catalog Number: CFP1168R-CDR.
35. Ramakrishnan S., Gopalakrishnan T., Balasamy K., 'SVD Based Robust Digital Watermarking For Still Images Using Wavelet Transform', Proceedings of First International Conference on Computer Science, Engineering and Applications (CCSEA-2011), CS & IT-CSCP 2011, pp. 155–167, July 15 to 17, 2011, Hyatt Regency Chennai, Chennai, India. DOI: 10.5121/csit.2011.1216.
36. Devaraju S., **Ramakrishnan S.**, 'Performance Analysis of Intrusion Detection System Using Various Neural Network Classifiers', Proceedings of IEEE International Conference on International Conference on Recent Trends in Information Technology (ICRTIT 2011), pp. 1033 – 1038, 3-5, June 2011, 10.1109/ICRTIT.2011.5972289, Madras Institute of Technology, Anna University, Chennai, India.
37. Muthanantha Murugavel A.S., Ramakrishnan S., 'Wavelet Domain Approximate Entropy-Based Epileptic Seizure Detection, Proceedings of the 5th International Conference on Information Technology (ICIT 2011), 11 – 13 May 2011, Al-Zaytoonah University, Amman, Jordan.
38. Muthanantha Murugavel A.S., **Ramakrishnan S.**, Hari Prasath R.K., and Ezhilarasu T., 'Detection of Epilepsy using Local Discriminant Bases Wavelet Packet Decomposition and Multi-Class SVM', Proceedings of the International Conference on Engineering, Science and Technology (ICEST 2011), 7 – 8 April 2011, Dhanalakshmi Srinivasan Engineering College, Perambalur, Tamilnadu, India.

39. Muthanantha Murugavel A.S. and **Ramakrishnan S.**, 'Classification of EEG Signals Using Weighted Probabilistic Neural Network and Multiwavelet Transformation', Proceedings of the International Conference on Operation Research applications in Engineering and Management, pp.41-48, 27-29 May 2009, Anna University, Tiruchirapalli, India.
40. Selvan S. and **Ramakrishnan S.**, 'Novel Wavelet Packet Transform Based Feature Extraction Algorithm for Image Texture Classification', Proceedings of IEEE International Region 10 Conference TENCON 2005, pp. 1495 – 1498, 21-24 November 2005, Melbourne, Australia.
41. **Ramakrishnan S.** and Selvan S., 'Image Texture Classification Using Exponential Curve Fitting of Wavelet Domain Singular Values', Proceedings of IEE 3rd International Conference on Visual Information Engineering VIE 2006, pp.505-510, 26-28 September 2006, Bangalore.
42. Selvan S. and **Ramakrishnan S.**, 'Wavelet Packet Transform Based Classification of Brain Tissues in Multiple Sclerosis', Proceedings of 12th International Conference of Bio-Medical Engineering ICBME 2005, National University of Singapore, Singapore, Vol. 12, 2A2-14, 7-10 December 2005, Singapore.
43. **Ramakrishnan S.** and Selvan S., 'Wavelet Transform Based Impulsive Noise Removal: A Smart Non-Linear Filtering Approach', International Conference on Smart Materials Structures and Systems ISSS-SPIE 2002, Indian Institute of Science, Bangalore, pp. 470-476, 12-14 December, 2002, India.
44. **Ramakrishnan S.**, Thiruvengadam S.J., Yarlagadda Kishore, Mohan V. and Abhai Kumar V., 'Development of Optimal Time- Frequency Distribution, Based Signal Processing Algorithm for signal detection', International Conference on Communications, Computers & Devices, Indian Institute of Technology Kharagpur, pp. 633-636, Vol. 2, 14 - 16 December 2000, Kharagpur, India.

National Conferences

45. Ramakrishnan S. and Muthanantha Murugavel A.S., 'Classification epileptic EEG signals using Probabilistic Neural Network and Wavelet Transformation', Proceedings of 3rd National Level Workshop on Intelligent Data Analytics and Image Processing (IDAIP 2010), pp.1-6, 8-9 January 2010, Bannariamman Institute of Technology, Sathyamangalam. **(Won the Best Paper Award)**
46. Arularasi C. ,Meenakshi M. , Veena R. ,Jayapriya J. ,and **Ramakrishnan S.** 'Robust Digital Image Watermarking Using Middle Frequency Sub Bands of Discrete Wavelet Transformation', Proceedings of National Conference on Computing, Communication and Information Systems, pp.61-67, 11-12 February 2011, Sri Krishna College of Engineering and Technology, Coimbatore.
47. Anup Suthakaran, Nagrajan H., Sathish P., **Ramakrishnan S.**, 'Speaker Recognition For Mobile Devices Using Hidden Markov Model and Mel-Frequency Ceptral Coefficients', Proceedings of the 4th National Conference on Recent Advances in Computer Vision and Information Technology, pp.153-156, 7 March 2011, Government College of Technology, Coimbatore.

48. *Hariprasath R.K.,Ezhilarasu A.,Muthanatha Murugavel A.S., **Ramakrishnan S.**, 'Detection Epilepsy Using Local Discriminant Bases Wavelet Packet Decomposition', Proceedings of the 4th National Conference on Recent Advances in Computer Vision and Information Technology, pp.295-300, 7 March 2011, Government College of Technology, Coimbatore.*
49. *Nandhini R.,Neerajaa D., Saranya B., Saranya S.M, **Ramakrishnan S.**, 'An Efficient Training of Hand Movement Libra Datatype Using Self Organizing Map' Proceedings of the National Conference on Information and Network Management', pp.10,17-18 March 2011, Thiagarajar College of Engineering, Madurai.*
50. *Akilandasowmya G., Deepa K., Deepika A., Kavitha S., **Ramakrishnan S.**, 'Emotional Speech Recognition For Robots Using Support Vector Machine', Proceedings of the 4th National Conference on Electrical and Instrumentation Systems, pp.312-315, 17 March 2011, Government College of Technology, Coimbatore.*
51. ***Ramakrishnan S.**, Arularasi C. ,Meenakshi M. , Veena R. , and Jayapriya J. , 'SVD Based Digital Image Watermarking Using DWT', Proceedings of the National Conference on Intelligent Computing and Control Engineering Applications, pp. 83-86, 7-8 April 2001, Anna University of Technology, Coimbatore.*
52. *Ramakrishnan S. and Selvan S., 'Image Texture Classification Using Probabilistic Distances of Exponential Probability Density Function', Proceedings of 2nd National Conference on Innovations in Information and Communication Technology, pp.227-232,7-8 July 2006, PSG College of Technology, Coimbatore.*
53. *Ramakrishnan S. and Selvan S., 'Fuzzy Based Image Texture Classification Using Wavelet Packet Transform', Proceedings of 3rd National Conference on Mathematical & Computational Models, pp. 514-520, 15- 16 December 2005, PSG College of Technology, Coimbatore.*
54. *Ramakrishnan S. and Selvan S., 'A Novel Wavelet Based Impulsive Noise Removal Algorithm', National Conference on Innovations in Information and Communication Technology, pp.158-163, 7-8 March, 2003, PSG College of Technology, Coimbatore.*
55. *Ramakrishnan S. and Selvan S., 'Enhancement of Fingerprints Using Wavelet Network', National Conference on Innovations in Information and Communication Technology, pp.192-195, 7-8 March, 2003, PSG College of Technology, Coimbatore.*
56. *Ramakrishnan S., Thiruvengadam S.J. and Abhai Kumar V., 'Neural network based novel radar signal detection strategy for a non stationary noisy environment', National Conference on Communication, pp.121- 124, 27-28 January 2001, Indian Institute of Technology Kanpur, Kanpur.*
57. *Ramakrishnan S., Thiruvengadam S.J and Abhai Kumar V., 'Neuro-wavelet based signal processing algorithm for channel Characterization', National Conference on Intelligent and Efficient Electrical Systems, pp.51-54, 19-20 January 2001, PSG College of Technology, Coimbatore.*
58. *Ramakrishnan S. and Selvan S., 'A Novel Wavelet Based Impulsive Noise Removal Algorithm', National Conference on Innovations in Information and Communication Technology, pp.158-163, March 7-8, 2003, PSG College of Technology, Coimbatore.*

59. Ramakrishnan S. and Selvan S., 'Enhancement of Fingerprints Using Wavelet Network', National Conference on Innovations in Information and Communication Technology, pp.192-195, March 7-8, 2003, PSG College of Technology, Coimbatore.

**** Guest Lectures Delivered...**

- 1- Delivered a session on "Applications of Wavelet Transformation in Image Processing and Practical Implementation in Matlab" during Faculty Development Programme on Wavelets and Multi-Resolution Processing at Anna University of Technology, Coimbatore on 19/12/2011.
- 2- Handled a full day workshop on "Digital Image Processing Using MATLAB" at KG College of Arts and Science, Coimbatore on 01/10/2011.
- 3- Handled a full day workshop on "Neural Network tool box in MATLAB" at Amrita University, Coimbatore on 21/09/2011.
- 4- Delivered a session on "Digital Signal Processing using MATLAB" during a Workshop on Digital Signal Processing at Karpagam Institute of Technology, Coimbatore on 17/09/2011.
- 5- Handled a full day workshop on "Image Processing Using Matlab" at Narasu's Sarathy Institute of Technology, Salem on 19/08/2011.
- 6- Delivered a Guest Lecture on "Image Processing Algorithms using Matlab" at Kumaraguru College of Technology, Coimbatore 11/08/2011.
- 7- Delivered a Guest Lecture on "Pattern Recognition and Neural Networks" in Workshop on Soft computing K.S .Rangasamy College of Technology, Tiruchengode on 30/07/2011.
- 8- Delivered a lecture on "Soft Computing Techniques" in National seminar on Acquisition Analysis and Digital Processing of Medical Images, at Dr.Mahalingam College of Engg. & Tech, Pollachi on 22/07/2011.
- 9- Delivered a lecture on "Neural Networks: Theory and Matlab Practice", in the Workshop on Soft Computing Techniques and its Applications at Dr.Mahalingam College of Engg. & Tech, Pollachi on 18/07/2011.
- 10- Delivered a lecture on "Teaching-Learning Process in Autonomous System" during a 2 days orientation programme for the newly joined faculty members at Dr.Mahalingam College of Engg. & Tech, Pollachi on 07/07/2011.
- 11- Delivered lectures on "Medical Imaging" and "Wavelet Transformation in Medical Image Processing", in AICTE sponsored Workshop on "Research Issues in Medical Imaging Techniques", at SSK College of Engineering and Technology, Coimbatore on 30/05/2011.
- 12- Delivered a lecture on "Pattern Recognition", in the Workshop on, Pattern Recognition and Datamining with WEKA, at Dr.Mahalingam College of Engg. & Tech, Pollachi on 26/03/2011.

- 13- *Delivered a Keynote Address on “Wavelet Transform in Communication Engineering” in International Conference on Communication and Signal Processing (ICCOS’ 11) at Karunya University, Coimbatore, 17-18 March 2011.*
- 14- *Delivered a Lecture and Handled a Session on “IIR Filter Design and Signals and Systems Basics” in Workshop on Digital Signal Processing Theory and Practice” at Dr.Mahalingam College of Engg. & Tech, Pollachi on 12/03/2011.*
- 15- *Delivered a Guest Lecture on “Image Processing Toolbox in Matlab” in DST Sponsored Workshop on Matlab, Simulink and LabVIEW for Engineering Applications at Karpagam College of Engineering, Coimbatore 04/03/2011.*
- 16- *Delivered a Guest Lecture on “Image Processing Algorithms Using Wavelet Transformation” in Two Day Workshop on “Research Challenges in Image Processing” at Coimbatore Institute of Technology (CIT), Coimbatore on 05/02/2011.*
- 17- *Delivered a Invited Talk on “Wavelet Transform in Image Processing” in National Conference on Multimedia Signal Processing and Networking (NCMSN)at Dr.NGP Institute of Technology, Coimbatore on 30/10/2010 .*
- 18- *Delivered a Guest Lecture on “Multiresolution Analysis in Image Processing” in 4th National Level Workshop on Intelligent Data Analytics and Image Processing (IDAIP) at Bannariamman Institute of Technology, Sathyamangalam on 16/10/2010 .*
- 19- *Delivered a session on “Hands on practice on Wavelet Tool Box in Matlab” during the Hands on Practice on “Wavelets and Its Applications Using Matlab” at Dr.Mahalingam College of Engg. & Tech, Pollachi on 22/09/2010.*
- 20- *Delivered a Guest Lecturer on “Image Projecting Projects Using Matlab” during one day workshop on “Lab View and Image Processing” at Sengunthar College of Engineering, Tiruchengode on 15/ 09/10.*
- 21- *Delivered a session on “Matlab Handson” during a one day Orientation Programme on Matlab at Karpagam Institute of Technology, Coimbatore on 16/08/2010.*
- 22- *Delivered a session on “Matlab Basics and DBMS Tool Box” during AICTE Sponsored Staff Development Programme on “Recent Trends in Data Storage and Disaster Recovery” at Dr.Mahalingam College of Engg. & Tech, Pollachi on 13/05/2010.*
- 23- *Delivered a Guest Lecture on Hands on Training in “Wavelet Tool Box” in Two day National workshop on “ Wavelets And Its Applications in Signal / Image Processing”, at Anna University, Coimbatore on 06/03/2010.*
- 24- *Delivered 2 sessions on “Image Basics” and “Hands on session on Image Processing Tool Box” during the Workshop on Digital Image Processing using MATLAB at Dr.Mahalingam College of Engg. & Tech, Pollachi on 20/02/2010.*
- 25- *Delivered a Guest Lecture on “Image Processing Using Matlab” in 3rd National Level Workshop on Intelligent Data Analytics and Image Processing (IDAIP) at Bannariamman Institute of Technology, Sathyamangalam on 09/01/2010 .*

- 26- Delivered a session on "Image processing Toolbox" during Two Days Workshop on Research Issues in Digital Image Processing held at Dr.Mahalingam College of Engg. & Tech, Pollachi on 06/11/2009.
- 27- Delivered a Guest Lecture on "Image Classification Using Wavelets and Neural Networks" in National workshop on "Optimization Techniques in Image Processing" at Anna University, Coimbatore on 30/10/2009.
- 28- Delivered a Guest Lecture on "Feature Extraction Techniques" during AICTE Sponsored Staff Development Programme on "Biomedical Signal Processing and instrumentation" held at PSG College of Technology, Coimbatore on 27/07/2009.
- 29- Delivered a Guest Lecture on "A Tutorial on Digital Image Processing (DIP) & Certain Guidelines to Carryout DIP Projects" during a ISTE seminar held at Dr.Mahalingam College of Engg. & Tech, Pollachi on 22/01/2008.

**** Sessions Chaired in Conferences ...**

- 1- Chaired a Session at International Conference on Innovations in Computers, Information and Communications (ICICIC-2012) at, PSG College of Technology, Coimbatore on 07/01/2012..
- 2- Chaired a session at International Conference on Intelligent Information Systems and Management (IISM'2011) at RVS College of Engineering and Technology, Coimbatore on 16/07/2011.
- 3- Delivered a Keynote address and Chaired two sessions in International Conference on Communication and Signal Processing (ICCS' 11) at Karunya University, Coimbatore, 17-18 March 2011.
- 4- Chief Guest for the National Conference on Multimedia Signal Processing and Networking (NCMSN) at Dr.NGP Institute of Technology, Coimbatore on 30/10/2010 and delivered inaugural address on teaching and research in multimedia signal processing .
- 5- Chaired a session at Second National conference on "Signal Processing Communications and VLSI Designs" held at Anna University, Coimbatore on 07/05/2010.
- 6- Chaired a session at the Fourth International Conference on Intelligent Systems and Control (ISCO 10), held at Karpagam College of Engineering, Coimbatore, on 04/02/2010.
- 7- Chaired a session at the First National Conference on Image Processing Computer Vision and Pattern Recognition, held at P.E.S College of Engineering, Mandya, Karnataka on 24/08/2009
- 8- Chaired a session at the National conference on "Signal Processing Communications And VLSI Designs" held at Anna University, Coimbatore on 08/05/2009
- 9- Chaired a session at the First Regional Conference on "Process Control and Automation" held at Dr.Mahalingam College of Engg. & Tech, Pollachi on 26/03/2009

- 10- Chaired a session at National Conference on “Computing and Communications” held at at Dr.Mahalingam College of Engg. & Tech, Pollachi on 24/04/2009
- 11- Chaired a session at National Conference on “Computing Applications” held at at Dr.Mahalingam College of Engg. & Tech, Pollachi on 30/04/2009

**** Conferences/Symposia/Workshops/Seminars Organized ...**

- 1- Convenor for the National Conference on “Innovative Library Services in Digital Era” held at Dr.Mahalingam College of Engg. & Tech, Pollachi during 19-21 Jan 2012..
- 2- Organized a Special Session on “Computational Intelligence Techniques for Image Processing and Pattern Recognition Problems” during the IEEE 2011 World Congress on Information and Communication Technologies (WICT 2011), 11-14 Dec 2011, University of Mumbai, Mumbai, India. ISBN: 978-1-4673-0125-1, IEEE Catalog Number: CFP1168R-CDR.
- 3- Convenor for the Workshop on “Soft Computing Techniques and its Applications” at Dr.Mahalingam College of Engg. & Tech, Pollachi on 18/07/2011.
- 4- Convenor for Workshop on “Pattern Recognition and Dataminig with WEKA ” at Dr.Mahalingam College of Engg. & Tech, Pollachi on 26/03/2011.
- 5- Coordinator for the Guest Lecture on “How to get the Funds for the research projects? ” by Dr.V.Murugesan, Director(Research), Anna University , Chennai at Dr.Mahalingam College of Engg. & Tech, Pollachi on 16/03/2011.
- 6- Convenor for Workshop on “Digital Signal Processing Theory and Practice” at Dr.Mahalingam College of Engg. & Tech, Pollachi on 12/03/2011.
- 7- Convenor for the Handson Practice on “Wavelets and its Applications Using MATLAB” held at Dr.Mahalingam College of Engg. & Tech, Pollachi on 22 September 2010.
- 8- Coordinator for the AICTE Sponsored Staff Development Programme on “Recent Trends in Data Storage and Disaster Recovery” at Dr.Mahalingam College of Engg. & Tech, Pollachi during 10-22 May 2010.
- 9- Convenor for the National conference on “Information, Networking and Communication Technologies” held at Dr.Mahalingam College of Engg. & Tech, Pollachi during 16-17 April 2010
- 10- Convenor for the Workshop on “MySQL and PHP” held at Dr.Mahalingam College of Engg. & Tech, Pollachi on 09 March 2010.
- 11- Convenor for the Hands on practice in “Digital Image Processing using MATLAB” held at Dr.Mahalingam College of Engg. & Tech, Pollachi on 20 Feb 2010.
- 12- Convenor for the Two Days Workshop on “Research Issues in Digital Image Processing” held at Dr.Mahalingam College of Engg. & Tech, Pollachi during 6- 7 Nov 2009.
- 13- Convenor for the One Day Workshop for “Researchers on Soft Computing” held at Dr.Mahalingam College of Engg. & Tech, Pollachi on 10 Oct 2009.

- 14- *Convenor for the National Level Technical Symposium, Techsym 2009 held at Dr.Mahalingam College of Engg. & Tech, Pollachi during 18-19 Sep 2009.*
- 15- *Convenor for the EMC Corporation certified 40 hours training programs on “ Information Storage and Management” during 17/07/09 to 30/10/09 and 01/02/2010 to 06/03/2010 at Dr.Mahalingam College of Engg. & Tech, Pollachi.*
- 16- *Convenor of the organize orientation programmes for the administrative staff members (secretarial assistants of office and depts.) of MCET held during 18-22 Aug 2009, Dr.Mahalingam College of Engg. & Tech, Pollachi.*
- 17- *Convenor of the orientation programmes for the newly joined faculty members of MCET held during 9-16 July 2009, Dr.Mahalingam College of Engg. & Tech, Pollachi.*
- 18- *Convenor for the Faculty Development Programmes (internal) on “Engineering Optimization Methods” & “Image Denoising Techniques” by Dr. T. Arul Doss Albert Victoire, and Dr.V.R.Vijaykumar ,Anna University, Coimbatore held on 17-June-2009,at Dr.Mahalingam College of Engg. & Tech, Pollachi.*
- 19- *Coordinator for the one-day workshop on ” EMC Academic Alliance Programme” by Rajesh Nambiar, EMC Corporation, Bangalore held on 01 Apr 2009, Dr.Mahalingam College of Engg. & Tech, Pollachi.*
- 20- *Convenor for Intra department Technical symposium, Esperenza, held on 16th Aug 2008, Dr.Mahalingam College of Engg. & Tech, Pollachi*
- 21- *Convenor for the National Level Technical Symposium, IQBE'08, held during Jan 24-25,2008, PSG College of Technology, Coimbatore*
- 22- *Organizing Secretary for the Second “National Conference on Innovations in Information and Communication Technology”-NCIICT 2006, July 7-8, 2006, PSG College of Technology, Coimbatore*
- 23- *Convenor for the Interdepartmental Technical Symposium, IQUEBE'06,Oct 7-8, 2006, PSG College of Technology, Coimbatore*
- 24- *Coordinator, Workshop on “Web Technology” by Mr.Ravi Desikan, Vice President and Mr.R.Sathyanarayanan , Senior Manager, Servion Global Solutions, Chennai, 07.03.2006, PSG College of Technology, Coimbatore*
- 25- *Coordinator, DB2 Training Program: IBM University Program, 20.11.2004 to 22.11.2004, PSG College of Technology, Coimbatore*
- 26- *Coordinator, WSAD Training Program: IBM University Program, 16.11.2004 to 19.11.2004, PSG College of Technology, Coimbatore*
- 27- *Coordinator, Workshop on “What is Required for a Software Professional” by Mr.N Lokabiraman Centre Head, TCS, Coimbatore, 05.05.04, PSG College of Technology, Coimbatore.*
- 28- *Coordinator, Workshop on “IT-Career Opportunities” by Dr.K Kesavasamy, Head Academic interface program, & Ms.Shilpa, HR, TCS, Trivandrum, 06.05.04, PSG College of Technology, Coimbatore*

- 29- Programme Committee Member for the First “National Conference on Innovations in Information and Communication Technology”-NCIICT2003, March 7-8, 2003,Coimbatore
- 30- Coordinator, WSAD Training Program and certification Exam: IBM University Program, 26.11.2003 to 02.12.2003, PSG College of Technology, Coimbatore
- 31- Coordinator, DB2 Training Program and certification Exam: IBM University Program, 17.11.2003 to 25.11.2003, PSG College of Technology, Coimbatore
- 32- Coordinator, DB2 and WSAD Training Program and certification Exam: IBM University Program, 18.11.2002 to 26.11.2002, PSG College of Technology, Coimbatore
- 33- Chief placement coordinator and Faculty Advisor for the IT department in arranging Guest Lectures, inviting experts from industries such as TCS, Cisco, Covansys, Servion Global Solutions etc. and eminent personalities from institutions such as IIT Madras, IISc Bangalore etc.

****Documentation Skills...**

- 1- An Editor in the Proceedings of National conference on “Information, Networking and Communication Technologies” held at Dr.Mahalingam College of Engg. & Tech, Pollachi during 16-17 April 2010.
- 2- Edited 3 issues of the Magazine “Infoquest”, an in-house magazine from Dr.Mahalingam College of Engg. & Tech, Pollachi
- 3- An Editor in the Proceedings of the Second “National Conference on Innovations in Information and Communication Technology” -NCIICT 2006
- 4- Edited 3 issues of the Magazine “F3 Get Loaded” , an in-house magazine from PSG College of Technology, Coimbatore
- 5- Faculty in-charge for the Proceedings of the First “National Conference on Innovations in Information and Communication Technology”- NCIICT 2003
- 6- Documented the Course Material and Laboratory Manual for “Object Oriented Analysis and Design” and “Digital Image Processing”

**** Membership in Professional Bodies...**

- 1- Convenor – Board of Studies (BoS), IT Board- Anna University of Technology, Coimbatore
- 2- Board Member – MIR Lab USA
- 3- Life Member, ISTE
- 4- Senior Member, IACSIT
- 5- Member, IAENG
- 6- Member, Board of Studies, IT Board, PSG College of Technology
- 7- Member, Question Paper Passing and Results Passing Board, Anna University, Coimbatore
- 8- Member, Staff Selection Committee, Kalaignar Karunanidhi Institute of Technology, Coimbatore
- 9- Member, Staff Selection Committee, Dr.Mahalingam College of Engg. & Tech, Pollachi
- 10- Expert Member- Research Committee- Anna University of Technology, Coimbatore

****Administration ...**

- 1- Head of Information Technology Department, Dr.Mahalingam College of Engg. & Tech, Pollachi (since 2008)
- 2- Convenor- Central Library, Dr.Mahalingam College of Engg. & Tech, Pollachi (since 2011)
- 3- Deputy Research Coordinator, Dr.Mahalingam College of Engg. & Tech, Pollachi (since 2011)
- 4- Coordinator, Faculty Development Cell, Dr.Mahalingam College of Engg. & Tech, Pollachi (since 2009)
- 5- EAA Academic Officer (EMC Academic Alliance Programme), Dr.Mahalingam College of Engg. & Tech, Pollachi (since 2009)
- 6- Faculty Advisor, Information Technology Association, Dr.Mahalingam College of Engg. & Tech, Pollachi (since 2009)
- 7- Member Secretary, Infosys Campus Connect Programme, Dr.Mahalingam College of Engg. & Tech, Pollachi (since 2009)
- 8- Coordinator, TAHDCO – Placement Training for SC/ST students, Dr.Mahalingam College of Engg. & Tech, Pollachi (since 2010)
- 9- ISO Internal Auditor, Dr.Mahalingam College of Engg. & Tech, Pollachi (since 2009)
- 10-Faculty Advisor, Information Technology Association, PSG College of Technology (from 2006-2008)
- 11-Faculty In-Charge, IBM University Program, PSG College of Technology(From 2002 to 2004)
- 12-Information Technology Lab In-charge(2006-2008)
- 13-Served as Department Project Coordinator for 4 years, from 2004 to 2007(during which 8th semester of B.Tech (IT) Program is fully dedicated for project-work without theory papers). Each and every year for out of 100 students (approx.), onsite project work from reputed software companies has been arranged for about 70 students (approx.), and offshore project work from reputed software companies has been arranged for 30 students (approx.). During that period, coordinated the project-work evaluation process in PSG Tech and reviewed the project-work onsite at software industries in Bangalore.
- 14-Staff in-charge for the purchase of software and hardware items for IT Dept., PSG College of Technology (2001-2008)
- 15-ISO Internal Auditor (Since 2006)
- 16-Designated as Tutor(Advisor) for a batch of 60 students every year from 2001-2008
- 17-Department Placement Coordinator (From 2003 to 2007)
- 18-Department Research Coordinator (From 2006 to 2007)
- 19-Involved in setting up of new Hardware Laboratory and PG Laboratory for Information Technology Department, PSG College of Technology

20-Involved in Starting a new M.Tech Program in Information Technology, PSG College of Technology

21- Department ISO File In-charge (From 2003 to 2006)

22- Department Time-Table In-charge (From 2001 to 2003)

23-A Stock Verification Officer for PSG Tech Library(2003), Metallurgy Department(2005-2008)

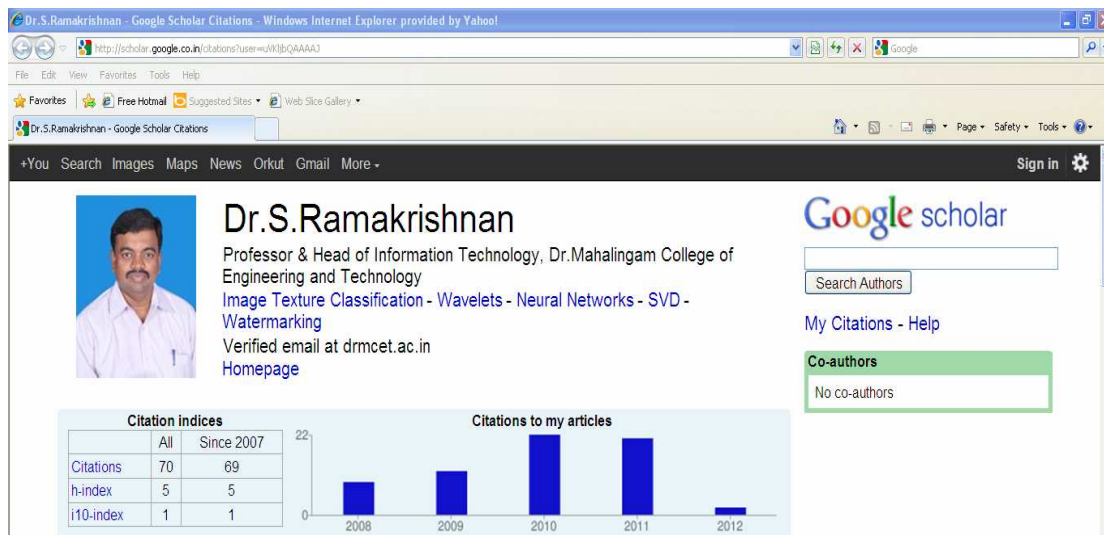
24- Involved in framing of the syllabus and other BoS related activities (Since 2001)

**** Awards and Recognitions...**

- 1- Mention in the Marquis Who's Who in the World 2011 Edition.
- 2- Received Certificate of Appreciation from EMC Corporation, Bangalore for outstanding contribution to EMC Academic Alliance Program.
- 3- Won the Outstanding Reviewer Award for the International Journal of Computer Theory and Engineering (IJCTE) from International Association of Computer Science and Information Technology(IACSIT), Singapore.
- 4- Won the Best Paper Award during 3rd National Level Workshop on Intelligent Data Analytics and Image Processing (IDAIP 2010), pp.1-6, 8-9 January 2010, Bannariamman Institute of Technology, Sathyamangalam.
- 5- Received Certificate of Appreciation for scoring centum in one of the papers named "Numerical Methods" during the B.E Fifth Semester University Examinations.

**** Google Scholar Index...**

<http://scholar.google.co.in/citations?user=uVKIjbQAAAAJ>



**** Microsoft Academic Research...**

<http://academic.research.microsoft.com/Author/10884724/srinivasan-ramakrishnan>



Dr. S.Ramakrishnan