APPENDIX –A: REFERENCES

1. Tobias Herbig., Franz Gerl., Wolfgang Minker
   “Self-learning speaker identification for enhanced speech recognition”

2. Masaki Naito., Li Deng., Yoshinori Sagisak
   “Speaker clustering for speech recognition using vocal tract parameters”

3. Vimala C., V. Radha
   “Speaker Independent Isolated Speech Recognition System for Tamil Language using HMM”

4. Yongwon Jeong
   “Joint speaker and environment adaptation using TensorVoice for robust speech recognition”


6. Mats Blomberg “Adaptation to a speaker's voice in a speech recognition system based on synthetic phoneme references”

7. Sadaoki Furui
   “Recent advances in speaker recognition”
8. Mike Talbot  
“Adapting to the speaker in automatic speech recognition”  

9. Sadaoki Furui  
“Recent advances in speech recognition technology at NTT laboratories”  

10. Joseph Picone  
“Duration in context clustering for speech recognition”  

11. Howard C. Nusbaum., David B. Pisoni  
“Automatic measurement of speech recognition performance: a comparison of six speaker-dependent recognition devices”  

12. Renato De Mori., Regis Cardin., Ettore Merlo., Mathew, P., Jean Rouat  
“A network of actions for automatic speech recognition”  
*Speech Communication, Volume 7, Issue 4, 1988, pp 337–353*

“Super-human multi-talker speech recognition: A graphical modeling approach”  

14. Ron J. Weiss., Daniel P.W. Ellis  
“Speech separation using speaker-adapted eigenvoice speech models”  
15. Kai-Fu Lee., Hsiao-Wuen Hon., Mei-Yuh Hwang., Xuedong Huang
   “Speech recognition using hidden Markov models: A CMU perspective”
   *Speech Communication, Volume 9, Issues 5–6, Dec 1990, pp 497–508*

16. Momir Partalo., Zlatko Sijerčić
   “Comparison of several speech signal feature parameters for automatic speech
   recognition”
   *Speech Communication, Volume 8, Issue 4, Dec 1989, pp 347–353*

17. Carlo Scagliola
   “Language models and search algorithms for real-time speech recognition”

18. W.J. Barry., C.E. Hoequist., F.J. Nolan
   “An approach to the problem of regional accent in automatic speech recognition”

   “Speech recognition using fractals”
   *Pattern Recognition, Volume 34, Issue 11, Nov 2001, pp 2227–2243*

20. Marco Matassoni., Maurizio Omologo., Diego, G., Piergiorgio Svaizer
   “Hidden Markov model training with contaminated speech material for distant-talking
   speech recognition”

21. Chai Wutiwiwatchai., Sadaoki Furui
   “Thai speech processing technology: A review”

   “Automatic speech recognition and speech variability: A review”
23. Tobias Herbig., Franz Gerlc., Wolfgang Minker
   “Self learning speaker identification for enhanced speech recognition”

24. Jian-Da Wu., Bing-Fu Lin
   “Speaker identification using discrete wavelet packet transform technique with irregular decomposition”
   *Expert Systems with Applications, Volume 36/2, 2009, pp 3136–3143*

25. Leandro D. Vignolo., Diego H. Milone., Hugo L. Rufiner
   “Genetic wavelet packets for speech recognition”
   *Expert Systems with Applications, Volume 40/6, 2013, pp 2350–2359*

26. Shima Tabibian., Ahmad Akbari., Babak Nasersharif
   “Speech enhancement using a wavelet thresholding method based on symmetric Kullback Leibler divergence”

27. Shung-Yung Lung
   “Wavelet feature selection based neural networks with application to the text independent speaker identification”

28. Lin Tomi Kinnunen., Haizhou Li
   “An overview of text-independent speaker recognition: From features to supervectors”
   *Speech Communication, Volume 52, Issue 1, January 2010, pp 12–40.*

29. Bojan Kotnik., Zdravko Kačič
   “A noise robust feature extraction algorithm using joint wavelet packet subband decomposition and AR modeling of speech signals”
“Auditory ERB like admissible wavelet packet features for TIMIT phoneme recognition”

31. Eduardo Pavez., Jorge F. Silva
“Analysis and design of Wavelet-Packet Cepstral coefficients for automatic speech recognition”

32. Khaled Daqrouq
“Wavelet entropy and neural network for text-independent speaker identification”
*Engineering Applications of Artificial Intelligence, Volume 24, Issue 5, August 2011, pp 796–802.*

33. Khaled Daqrouq., Khalooq Y. Al Azzawi
“Average framing linear prediction coding with wavelet transform for text independent speaker identification system”

34. C.M. Vong., P.K. Wong
“Engine ignition signal diagnosis with Wavelet Packet Transform and Multi-class Least Squares Support Vector Machines”

35. Fabrício Lopes Sanchez., Sylvio, B., Lucimar, S., Rodrigo, C., Everthon, S., F., Paulo, R., Carlos, D., José, C., ShiHuang, C.
“Wavelet-based cepstrum calculation”
36. Shung-Yung Lung
    “Further reduced form of wavelet feature for text independent speaker recognition”

37. M. Shridhar., N. Mohankrishnan
    “Text independent speaker recognition: A review & some new results”

38. Nikos Fakotakis., Anastasios Tsapanoglou., George Kokkinakis
    “A text-independent speaker recognition system based on vowel spotting”
    *Speech Communication, Volume 12, Issue 1, March 1993, pp 57–68.*

39. Cemal Hanilçi., Figen Ertaş
    “Investigation of the effect of data duration and speaker gender on text-independent
    speaker recognition”

40. Selami Sadıç., M. Bilginer Gülmezoğlu
    “Common vector approach and its combination with GMM for text-independent
    speaker recognition”

41. Ville Hautamäki., Tomi Kinnunen, Pasi Fränti
    “Text-independent speaker recognition using graph matching”

42. Shung-Yung Lung
    “Improved wavelet feature extraction using kernel analysis for text independent
    speaker recognition”
43. Q.Y. Hong., S. Kwong
“A discriminative training approach for text-independent speaker recognition”

44. Yung, L. S
“Multi-resolution form of SVD for text independent speaker recognition”

45. Harold Szu., Brian Telfer., Joseph Garcia
“Wavelet transforms & neural networks for compression & recognition”

46. Shivnarayan Patidar., Ram Bilas Pachori
“Classification of cardiac sound signals using constrained tunable-Q wavelet transform”

47. Sumithra Manimegalai Gindan., Prakash Duraisamy., Xiaohui Yuan
“Adaptive wavelet shrinkage for noise robust speaker recognition”
*Digital Signal Processing, Volume 33, October 2014, pp 180–190*

48. Shung Yung Lung
“Efficient text independent speaker recognition with wavelet feature selection based multilayered neural network using supervised learning algorithm”

49. Shung Yung Lung
“Wavelet feature domain adaptive noise reduction using learning algorithm for text-independent speaker recognition”
*Pattern Recognition, Volume 40, Issue 9, Sept 2007, pp 2603–2606*
50. Shung Yung Lung
   “Feature extracted from wavelet decomposition using biorthogonal Riesz basis for text
   independent speaker recognition”
   Pattern Recognition, Volume 41, Issue 10, 2008, pp 3068–3070

51. Abdulnasir Hossen and Said Al-Rawahi
   “A Text–Independent Speaker Identification System Based on the Zak Transform”

52. Shung Yung Lung
   “Feature extracted from wavelet eigenfunction estimation for text-independent
   speaker recognition”

53. Shung Yung Lung
   “Adaptive fuzzy wavelet algorithm for text-independent speaker recognition”

54. E. Avci., D. Avci
   “The speaker identification by using genetic wavelet adaptive network based fuzzy
   inference system”

55. Engin Avci
   “A new optimum feature extraction and classification method for speaker recognition:
   GWPNN”

    Roshandel
   “A new representation for speech frame recognition based on redundant wavelet filter
   banks”
Leandro D. Vignolo, Diego H. Milone, Hugo L. Rufiner
“Genetic wavelet packets for speech recognition”

Engin Avci, Zuhtu Hakan Akpolat
“Speech recognition using a wavelet packet adaptive network based fuzzy inference system”

Mohammed Bahoura, Jean Rouat
“Wavelet speech enhancement based on time scale adaptation”

Harold Szu, Brian Telfer, Joseph Garcia
“Wavelet transforms and neural networks for compression and recognition”

Simon Haykin
“Neural Networks: A Comprehensive Foundation, 2nd edition”

Ulrich Anders and Olaf Korn
“Model selection in neural networks”

Jianye Sun
“Local coupled feedforward neural network”
*Neural Networks, Vol.23, Issue 1, January 2010, pp 108-113

Jie Zhang and A. J. Morris
“A Sequential Learning Approach for Single Hidden Layer Neural Networks”
*Neural Networks, Vol. 11, Issue 1, Jan 1998, pp 65-80
65. Zong-Ben Xu., Hong Qiao., Jigen Peng and Bo Zhang
“A comparative study of two modeling approaches in neural networks”
_Neural Networks, Vol. 17, Issue 1, Jan 2004, ppm 73-85_

66. Stevan V. Odri., Dusan P. Petrovacki and Gordana A. Krstonosic
“Evolutional development of a multilevel neural network”
_Neural Networks, Vol. 6, Issue 4, 1993, pp 583-595_

67. Y. P. Chu and C. M. Hsieh
“An artificial neural network model with modified perceptron algorithm”

68. Wouter Gevaert, Georgi Tsenov, Valeri Mladenov
“Neural Networks used for Speech Recognition”

69. Ganesh Arulampalam and Abdesselam Bouzerdoum
“A generalized feed forward NN model for classification & regression”
_Neural Networks, Vol. 16, Issues 5-6, 2003, pp 561-568_

70. Cristian Filici
“Error estimation in the NN solution of ordinary differential equations”
_Neural Networks, Vol. 23, Issue 5, June 2010, pp 614-617_

71. Alex Alexandridis., Haralambos Sarimveis and George Bafas
“A new algorithm for online structure & parameter adaptation of RBF networks”
_Neural Networks, Vol. 16, Issue 7, Sept 2003, pp 1003-1017_

72. Francis Lorenz
“A classification of modelling languages for differential-algebraic equs. ”

73. Peter Schwarz
“Physically oriented modeling of heterogeneous systems”
74. Kevin Warwick
“Neural networks for linear control: An analysis”

75. Xin Yao
“Evolving Artificial Neural Networks”

76. Leonard, J and Kramer, M. A
“Improvement of the back propagation algorithm for training ANN”

77. Mah, R.S.H and Chakravarthy, V
“Pattern recognition using artificial neural networks”

“Process identification using neural networks”

79. Robitaille, B., Marcos, B., Veillette, M and Payre, G
“Modified quasi-Newton methods for training neural networks”

80. Isermann, R
“Practical aspects of process identification”
*Automatica, Vol. 16, Issue 5, 1980, pp 575-587*

81. Teuvo Kohonen
“An introduction to neural computing”
*Neural Networks, Vol. 1, Issue 1, 1988, pp 3-16.*
82. Ken-Ichi Funahashi
   “On the approximate realization of continuous mappings by neural networks”

83. Chia-Feng Juang and I-Fang Chung
   “Recurrent fuzzy network design using hybrid evolutionary learning algorithms”

84. Andrzej Cichockia, Juha Karhunen, Wlodzimierz K and Ricardo V
   “Neural networks for blind separation with unknown number of sources”

85. Zhen Ding., Henry Leung and Zhiwen Zhu
   “Critical temperature of the transiently chaotic neural network”

86. Hikmet Kerem Cigizoglu and Murat Alp
   “Generalized regression neural network in modelling river sediment yield”

87. Farkas, P. Reményb and A. Biróa
   “A neural network topology for modelling grain drying”

88. Michael A. Henson
   “Nonlinear model predictive control: current status and future directions”

89. Godfrey, K. R
   “Correlation methods”
“Neural network applications in process modelling and predictive control”

91. Nahas, E.P., Henson, M.A and Seborg, D.E
“Nonlinear internal model control strategy for neural network models”

92. Martin Pottmann and Dale E. Seborg
“A nonlinear predictive control strategy based on radial basis function models”

93. Hassen Mekkia, Mohamed Chtourou and Nabil Derbela
“Variable structure Neural Network for adaptive control of nonlinear systems using the stochastic approximation”

94. Chen, S., Billings, S, A and Grant, P, M
“Recursive hybrid algorithm for non-linear system identification using radial basis function networks”

95. Chen, S., Billings, S, A and Grant, P, M
“Non-linear system identification using neural networks”

96. Zuo, Wei
“Fourier neural network based tracking control for nonlinear systems”
*Ph. D Thesis, Hong Kong University of Science and Technology, 2008.*

97. Noriega JR and Wang H.
“A direct adaptive neural network control for unknown nonlinear systems & its application”
98. Menold, P.H., Allgöwer, F and Pearson, R.K
“Nonlinear structure identification of chemical processes”

99. Wei, H.L. and Billings, S.A
“Identification of time-varying systems using multiresolution wavelet models”

100. Gregory J. Zdaniuk, Louay M. Chamraa and D. Keith Waltersa
“Correlating heat transfer and friction in helically-finned tubes using Artificial Neural Networks”

101. Maciej Majewski and Jacek M. Zurada
“Sentence recognition using artificial neural networks”

102. Yusuf Erzin., Hanumantha Rao, B and Singh, D, N
“Artificial neural network models for predicting soil thermal resistivity”

103. Jun Wang and Malakooti, B
“Characterization of training errors in supervised learning using gradient-based rules”
*Neural Networks, Volume 6, Issue 8, 1993, pp 1073-1087*

104. Conti, M., Orcioni, S., Turchetti, C
“Training neural networks to be insensitive to weight random variations”
*Neural Networks, Volume 13, Issue 1, January 2000, pp 125-132*

105. Qiuming Zhu., Yao Cai., Luzheng Liu
“A global learning algorithm for a RBF network”
*Neural Networks, Volume 12, Issue 3, April 1999, pp 527-540*
106. Yahya H. Zweiri., Lakmal D. Seneviratne., Kaspar Althoefer
“Stability analysis of a three-term back propagation algorithm”
*Neural Networks, Volume 18, Issue 10, December 2005, pp 1341-1347*

“Speaker identification using multilayer perceptrons and radial basis
function networks”
*Neurocomputing, Volume 6, Issue 1, February 1994, pp 99–117*

108. Jian-Da Wu., Yi-Jang Tsai
“Speaker identification system using empirical mode decomposition and an
artificial neural network”

109. Sabato Marco Siniscalchi., Torbjørn Svendsen., Chin-Hui Lee
“An artificial neural network approach to automatic speech processing”
*Neurocomputing, Volume 140, 22 September 2014, pp 326–338.*

110. Xueying Zhang., Xiaofeng Liu., Zizhong John Wang
“Evaluation of a set of new ORF kernel functions of SVM for speech recognition”
*Engineering Applications of Artificial Intelligence, Volume 26, Issue 10, November 2013, pp 2574–2580*

111. D. De Yong., S. Bhowmik., F. Magnago
“An effective Power Quality classifier using Wavelet Transform and Support Vector
Machines”

112. Łukasz Jedliński., Józef Jonak
“Early fault detection in gearboxes based on support vector machines and multilayer
perceptron with a continuous wavelet transform”
113. R. Solera-Ureña, D. Martín-Iglesias, A. Gallardo-Antolín, C. Peláez-Moreno, F. Díaz-de-María
“Robust ASR using Support Vector Machines”
*Speech Communication, Volume 49, Issue 4, April 2007, pp 253–267*

114. Shih-Yen Lina, Ruey-Shiang Guh, Yeou-Ren Shiuec
“Effective recognition of control chart patterns in autocorrelated data using a support vector
machine based approach”

115. Shichang Du, Delin Huang, Jun Lv
“Recognition of concurrent control chart patterns using wavelet transform decomposition and
multiclass support vector machines”

116. Engin Avci, Derya Avci
“A novel approach for digital radio signal classification: Wavelet packet energy–multiclass
support vector machine (WPE–MSVM)”

117. Kasra Mohammadi, Shahaboddin Shamshirband, Chong Wen Tong, Muhammad Arif,
Dalibor Petković, Sudheer Ch
“A new hybrid support vector machine–wavelet transform approach for estimation of
horizontal global solar radiation”
*Energy Conversion and Management, Volume 92, Mar 2015, pp 162–171*

118. Shadnaz Asgari, Alireza Mehrnia, Maryam Moussavi
“Automatic detection of atrial fibrillation using stationary wavelet transform and support
vector machine”
119. K. Daqrouq., K.Y. Al Azzawi
“Arabic vowels recognition based on wavelet average framing linear prediction coding and neural network”
*Speech Communication, Volume 55, Issue 5, June 2013, pp 641–652*

120. Pawan K. Ajmera., Raghunath S. Holambe
“Fractional Fourier transform based features for speaker recognition using support vector machine”

121. Wim De Mulder., Steven Bethard., Marie-Francine Moens
“A survey on the application of recurrent neural networks to statistical language modeling”
*Computer Speech & Language, Volume 30, Issue 1, March 2015, pp 61–98*

122. Jaume Padrell-Sendra., Dario Martin Iglesias., Fernando Diaz-de-Maria
“Support Vector Machines for Continuous Speech Recognition”
*14th European Signal Processing Conference (EUSIPCO 2006), Florence, Italy, September 4-8, 2006, pp 165-168*

123. F. Yger., A. Rakotomamonjy
“Wavelet kernel learning”
*Pattern Recognition, Volume 44, Issues 10–11, October–November 2011, pp 2614–2629*

124. Chih-Chiang Wei
“Wavelet kernel support vector machines forecasting techniques: Case study on water-level predictions during typhoons”

125. Qi Wu
“Hybrid wavelet ν-support vector machine and chaotic particle swarm optimization for regression estimation”
126. Makihiko Sato
“Promoter Analysis with Wavelets and Support Vector Machines”
_Procedia Computer Science, Volume 12, 2012, pp 432–437._

127. Shi-Huang Chen., Rodrigo, C, G., Trieu-Kien Truong., Yaotsu Chang
“Improved voice activity detection algorithm using wavelet and support vector machine”

128. Xueying Zhang., Xiaofeng Liu., Zizhong John Wang
“Evaluation of a set of new ORF kernel functions of SVM for speech recognition”
_Enginering Applications of Artificial Intelligence, Volume 26, Issue 10, 2013, pp 2574–2580._

“A novel distributed unit transient protection algorithm using support vector machines”

130. Achmad Widodo and Bo Suk Yang
“Wavelet support vector machine for induction machine fault diagnosis based on transient current signal”
APPENDIX- B: PAPERS PUBLISHED FROM THIS WORK

1. Kanaka Durga Returi* and Dr. Y. Radhika (*SPRINGER)  
   “An Artificial Neural Networks Model by Using Wavelet Analysis for Speaker Recognition”  

2. Kanaka Durga Returi* and Dr. Y. Radhika (*SPRINGER)  
   “A Novel Approach for Speaker Recognition By Using Wavelet Analysis and Support Vector Machines”  
   Proceedings of the 2nd International Conference on Computer and Communication Technologies - IC3T 2015 will be held during July 24 -26, 2015 at CMR Technical Campus, Hyderabad, Telangana, India (Technically co-sponsored by CSI Hyderabad Section). Advances in Intelligent Systems and Computing 379, Volume 1, Pages 163-174.

3. Kanaka Durga Returi* and Dr. Y. Radhika  
   “A Genetic Approach to improve the Performance Index by Using Artificial Neural Networks”  

4. Kanaka Durga Returi* and Dr. Y. Radhika  

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119