

Publications

- **B. S. Mahanand**, Bruce Fischl, David H. Salat, “Factors influencing accuracy of cortical thickness in the diagnosis of Alzheimer’s disease”, *Human Brain Mapping*, 2018, (*in press*)
- G. Sateesh Babu, **B. S. Mahanand** “Computer aided detection of imaging biomarkers for Alzheimer’s disease”, *International Journal of Computers in Healthcare*, 2018, (*in press*)
- S.Vigneshwaran, **B. S. Mahanand**, S. Suresh, N. Sundararajan, “Identifying differences in brain activities and an accurate detection of autism spectrum disorder using resting state functional-magnetic resonance imaging : A spatial filtering approach”, *Medical Image Analysis – Elsevier*, Vol. 35, p375–389, January 2017
- **B S Mahanand**, Joost M. Riphagena, David H. Salat, “Impact of White Matter Hyperintensities on Patterns of Cortical Thickness in Alzheimer’s Disease”, Massachusetts Alzheimer’s Disease Research Center and the Boston University Alzheimer’s Disease Center’s 30th Annual Poster Symposium, 10 March, 2017, Boston, MA, USA
- Cinthya Agüero, **B S Mahanand**, Kimberly A. Stephens, Elizabeth Leritz, Rachel L. Alvarado, David H. Salat, “Classification of Neuropsychologically Defined MCI by Structural Neuroimaging”, Massachusetts Alzheimer’s Disease Research Center and the Boston University Alzheimer’s Disease Center’s 30th Annual Poster Symposium, 10 March, 2017, Boston, MA, USA
- **B. S. Mahanand**, S.Vigneshwaran, S. Suresh, N. Sundararajan “An Enhanced Effect-Size Thresholding Method for the Diagnosis of Autism Spectrum Disorder using resting state functional MRI”, International Conference on Cognitive Computing and Information Processing (CCIP 2016), 12-13 August 2016, Mysuru, India
- R. Shreyas, D.M Akshata, **B.S Mahanand**, B. Shagun, C.M Abhishek, “Predicting Popularity of Online Articles using Random Forest Regression”, International Conference on Cognitive Computing and Information Processing (CCIP 2016), 12-13 August 2016, Mysuru, India
- S.Vigneshwaran, S. Suresh, N. Sundararajan, **B. S. Mahanand** “Accurate Detection of Autism Spectrum Disorder from Structural MRI using Extended Metacognitive Radial Basis Function Network”, *Expert Systems with Applications – Elsevier*, Vol. 42, No. 22, pp. 8775–8790, December 2015

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- **B. S. Mahanand**, G. Sateesh Babu, S. Suresh “Meta-cognitive Learning Neural Classifier for Alzheimer’s Disease Detection”, Swarm, Evolutionary, and Memetic Computing, Lecture Notes in Computer Science - *Springer* , Vol. 8947, pp. 606-617, July 2015
- S.Vigneshwaran, S. Suresh, **B. S. Mahanand**, N. Sundararajan “Using Regional Homogeneity from Functional MRI for Diagnosis of ASD among Males”, International Joint Conference on Neural Networks (*IJCNN* 2015), July 12 - 17, Killarney, Ireland
- S.Vigneshwaran, S. Suresh, **B. S. Mahanand**, N. Sundararajan “ASD Detection in Males Using MRI- An Age-group Based Study”, International Joint Conference on Neural Networks (*IJCNN* 2015), July 12 - 17, Killarney, Ireland
- **B. S. Mahanand**, G. Sateesh Babu, S. Suresh, N. Sundararajan “Identification of Imaging Biomarkers Responsible for Alzheimer’s Disease using a McRBFN Classifier”, International Conference on Cognitive Computing and Information Processing (CCIP 2015), 3-4 March 2015, Noida, India
- B. Rangarajan S.Suresh, **B. S. Mahanand**, “Identification of Potential Biomarkers in the Hippocampus Region for the Diagnosis of ADHD using PBL-McRBFN Approach”, 13th International Conference on Control, Automation, Robotics and Vision, (*ICARCV* 2014), 10 – 12 December 2014, Singapore
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- **B. S. Mahanand**, R. Savitha, S. Suresh “Computer Aided Diagnosis of ADHD using Brain Magnetic Resonance Images”, *Artificial Intelligence* 2013, Lecture Notes in Computer Science - *Springer* , Vol. 8272, pp. 386–395, December 2013
- G. Sateesh Babu, S.Suresh, **B. S. Mahanand**, “Meta-cognitive q-Gaussian RBF Network for Binary Classification: Application to Mild Cognitive Impairment (MCI)”, International Joint Conference on Neural Networks (*IJCNN* 2013), August 4-9, 2013, Dallas, Texas, USA

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- **B. S. Mahanand**, S.Suresh, N.Sundararajan, M.Aswatha Kumar, “ICGA-ELM Classifier for Alzheimer’s Disease Detection”, Indian Conference on Medical Informatics and Telemedicine (*ICMIT*), Indian Institute of Technology, Kharagpur, 28 – 30 March 2013
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