

Selected Publications

1. J. Nielson, K. Bhaganagar, R. Meka, A. Alaeddini, Using Atmospheric Inputs for Artificial Neural Networks to Improve Wind Turbine Power Prediction, *Energy*, In Press. (5-Year Impact Factor: 5.747)
2. S.H.A. Faruqui, R. Meka, A. Alaeddini, Y. Du, C. Li, S. Shirinkam, J. Wang, Dynamic Forecasting and Control of Type II Diabetes Using Mobile-Based Health Lifestyle Data, *JMIR mHealth and uHealth*, In Press. (Impact Factor: 4.301)
3. S. Shirinkam, A. Alaeddini, E. Gross, Identifying the Number of Components in Gaussian Mixture Models using Numerical Algebraic Geometry, *Journal of Algebra and its Applications*, (2019), In Press. DOI: 10.1142/S0219498820502047
4. S. Martinez, A. Alaeddini, K. Langer, A Sequential Weighted Laplacian Regularized Optimal Design for Response Surface Modeling of Expensive Functions with Outliers: An Application in Linear Elastic Fracture Mechanics, *Quality Reliability Engineering International*, 35.6 (2019):1911–1928. DOI: 10.1002/qre.2483
5. A. Alaeddini, P. Shi, J. E. Helm, S.H. Faruqui, An Integrated Framework for Reducing Hospital Readmissions using Risk Trajectories Characterization and Discharge Timing Optimization, *IIE Transactions on Healthcare Systems Engineering*, 9.2 (2019): 172-185. DOI: 10.1080/24725579.2019.1584133
6. A. Alaeddini, R. Meka, S. Martinez, E. Kraft, Sequential Laplacian Regularized V-Optimal Design of Experiments for Response Surface Modeling of Expensive Tests: An Application in Wind Tunnel Testing, *IIE Transactions*. 51.5 (2019): 559-576. DOI: 10.1080/24725854.2018.1508928