**Training error vs Validation error Network characteristics Training Error** 10.0 Number of Hidden Layers: 1 9.0 Validation Error Units per Layer: 256 8.0 Activation function: Leaky ReLU 7.0 Batch-size: 1 6.0 Loss function: MEE Learning Rate: 1e-05 5.0 Regularization: elastic *α*: 0.5 4.0 *λ*: 1e-05 Optimizer: adam **MEE Error** 3.0  $\beta_1$ : 0.9  $\beta_2$ : 0.999 *ε*: 1e-08 2.0 1.0 0.9 0.8 0.7 0.6 100 400 200 300 500 600 700 800 **Epochs**