CNN - ChlorineConcentration XGBoost Surrogate  $R^2$ : -4.34 ± 7.45 RMSE:  $0.03 \pm 0.01$ MAE:  $0.01 \pm 0.00$ 0.54 0.52 0.50 Predicted Accuracy 0.48 0.46 0.44 0.42 0.40 0.42 0.46 0.48 0.54 0.40 0.44 0.50 0.52 **Actual Validation Accuracy**