Transformer - FaultDetectionB XGBoost Surrogate  $R^2$ : 0.34 ± 0.34 RMSE:  $0.05 \pm 0.01$ 0.75 MAE:  $0.04 \pm 0.01$ 0.70 0.65 **Predicted Accuracy** 0.60 0.55 0.50 0.45 0.40 0.60 0.65 0.40 0.45 0.50 0.55 0.70 0.75 **Actual Validation Accuracy**