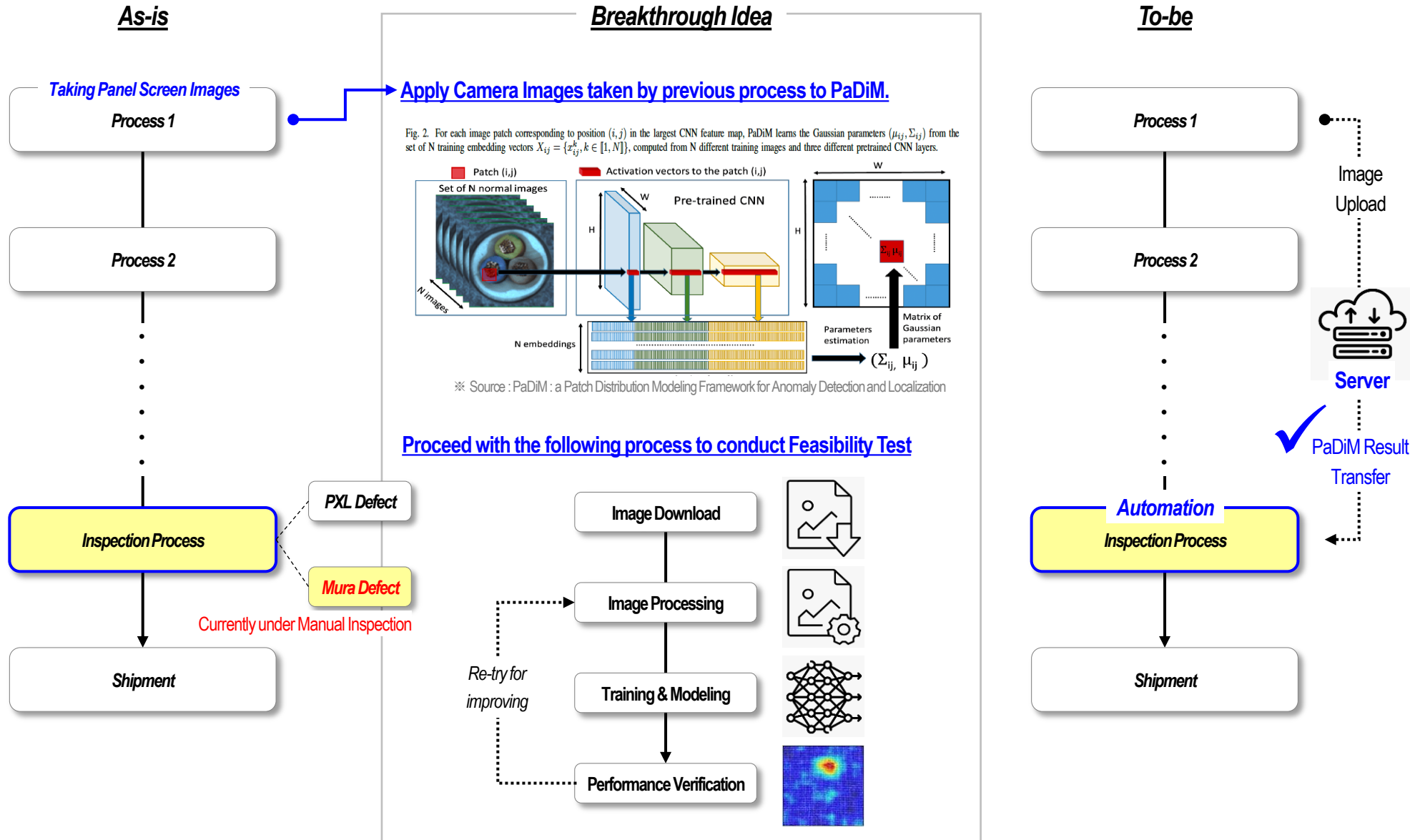


Mura Defect Detection Automation via Anomaly Detection (PaDiM)

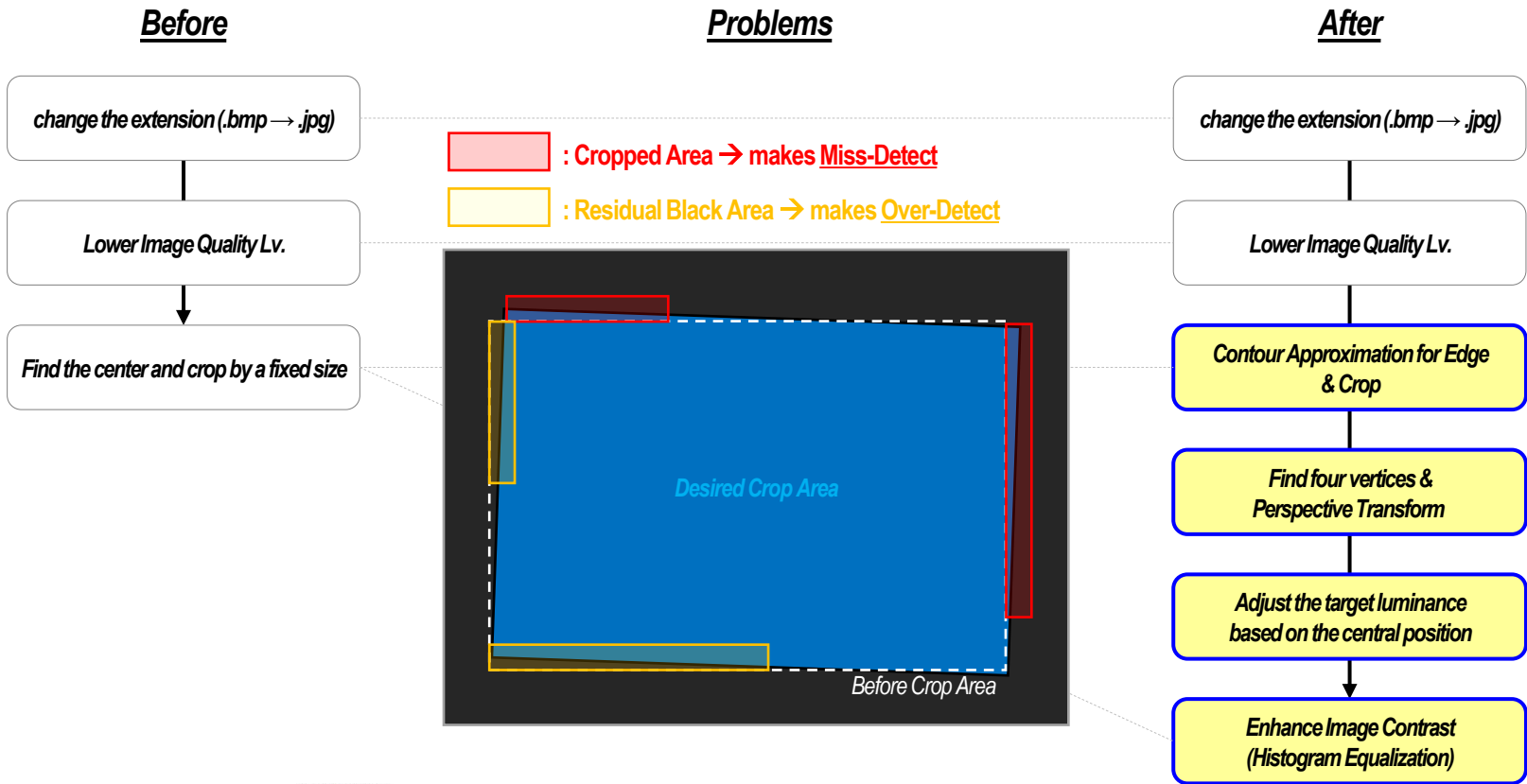
● Period : Jul. 23 – Jun. 24



Optimizing Image Processing for Improved Anomaly Detection Performance

● Period : Jul. 23 – Jun. 24

Flow
Chart



Result

| | | Predicted Class | | |
|--------------|----------|-------------------------------------|---|---|
| | | Positive | Negative | |
| Actual Class | Positive | True Positive (TP) | False Negative (FN) Type II Error | Sensitivity $\frac{TP}{(TP + FN)}$ <u>Sensitivity (OK Judge Accuracy) : 11% → 69%</u> |
| | Negative | False Positive (FP) Type I Error | True Negative (TN) | Specificity $\frac{TN}{(TN + FP)}$ <u>Specificity (NG Judge Accuracy) : 29% → 93%</u> |
| | | Precision $\frac{TP}{(TP + FP)}$ | Negative Predictive Value $\frac{TN}{(TN + FN)}$ | Accuracy $\frac{TP + TN}{(TP + TN + FP + FN)}$ |