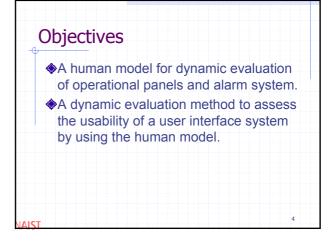
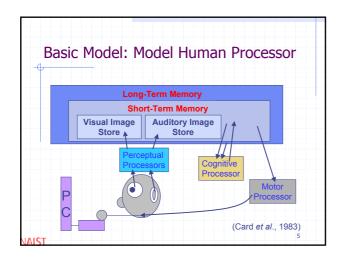
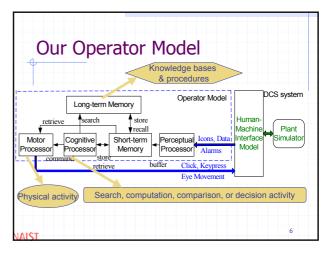
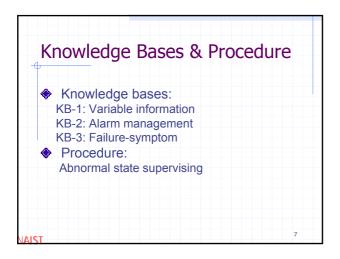


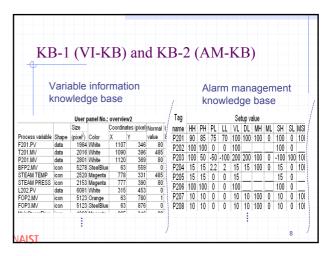
Model-based Dynamic Evaluation Model-based evaluation method is flexible to investigate various user interfaces. Analyzing operator's behaviors of fault detection and identification in an emergency is helpful to find latent weak points or good solutions. Model-based dynamic evaluation means applying an operator model to an abnormal industrial process (off-line data or simulator).

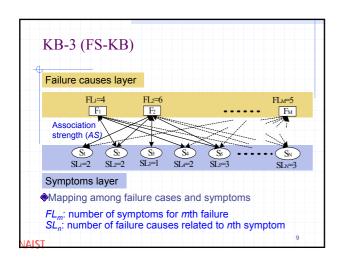


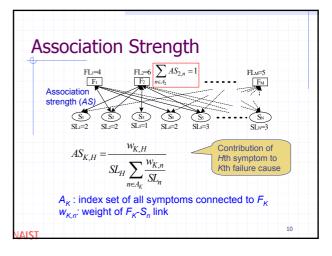


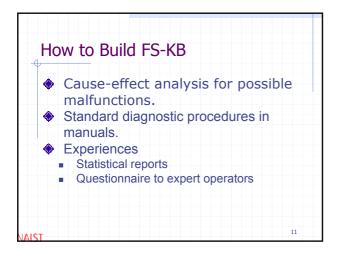


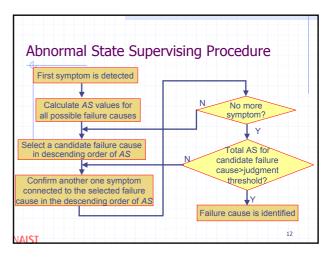


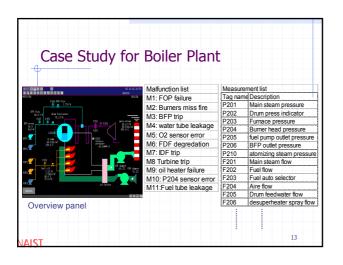


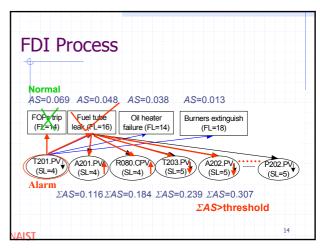


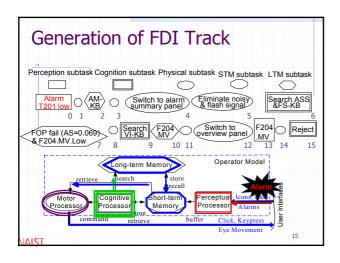


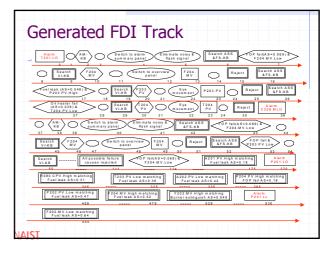


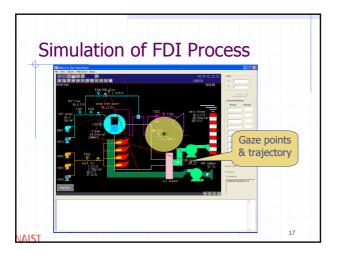


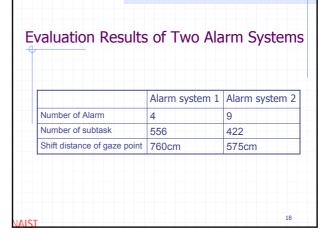


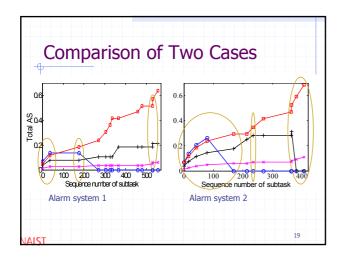


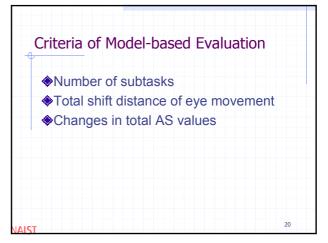












Conclusions

- An operator model was proposed for dynamic evaluation of graphic panels and alarm system in an emergency.
- Alarm settings of a boiler plant simulator were evaluated by modeling the human behaviors of fault detection and identification.

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