

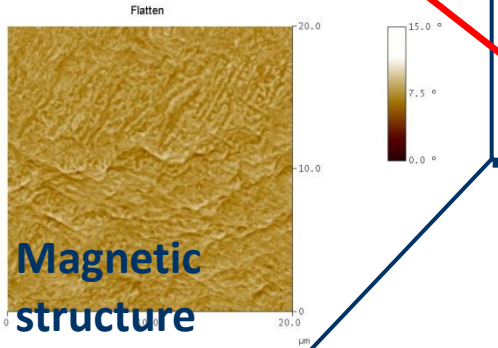
# Electromagnetic Nondestructive Evaluation for Nuclear Structural Materials and Components

## Sensing

### Efficiency

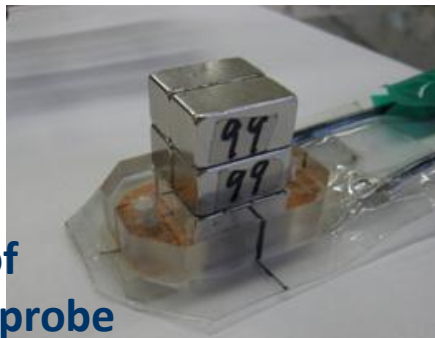
Evaluation of Sensitization for SCC

Clear Execute Undo

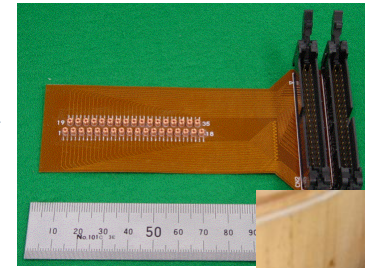


Magnetic structure change due to SCC sensitization

Development of EMAT/ EC dual probe



### Reliability



Development of array multi-probe



In-service inspection

Evaluation of degradation

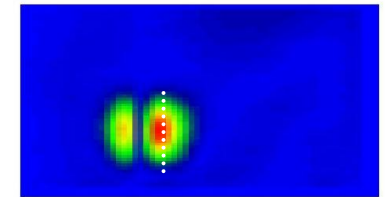
Monitoring

Eddy Current Monitoring For Crack Propagation



Time

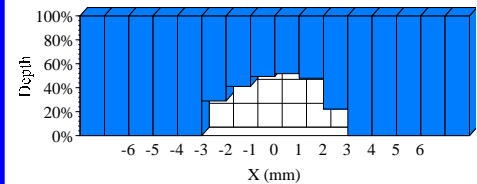
## Signal Processing



Eddy current signals



Inverse Analysis



Reconstruction of crack shape