Degradation Science and Plant life Management
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Please check our HP and feel free to contact us ! Individual interview (online) is welcomed.

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"For Safe and Reliable Nuclear Energy Systems"

With the aim of achieving safer and more reliable power plant operations, we have taken up three important research themes, namely: predicting damage mechanisms during the operation of equipment and structures for integrity, developing countermeasures against deterioration for durability, and improving maintenance technologies for safety.



Research Subject

- Anti-corrosion study for the decommissioning of Fukushima Dai-ichi nuclear power plant
- Oxidation kinetics and mechanism of SCWR fuel cladding candidate materials
- Mechanistic study of pipe wall thinning by flow-accelerated corrosion
- Countermeasure development for initiation and propagation of localized corrosion of alloys
- Effect of thermal aging on mechanical and corrosion properties of stainless steel welds