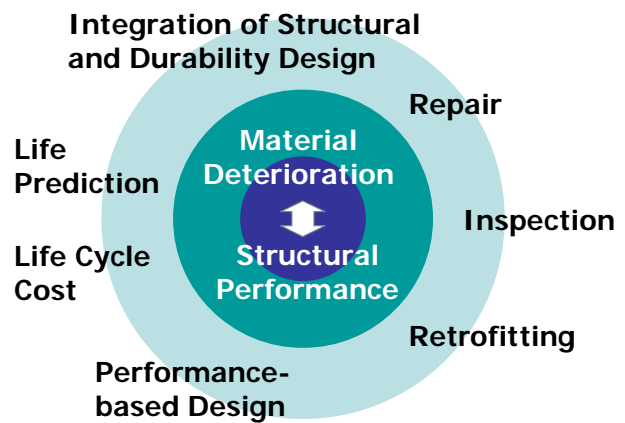


# JSCE Task Committee 331 on “Structural Performance of Concrete Structures with Material Deterioration”

## Scope

Rational durability design and maintenance strategy for concrete structures is in demand. With regard to them, it is necessary to predict performance of structures with material deterioration as well as those that are sound. As illustrated in the right figure, this should be a key technique for “integration of structural and durability design,” “life prediction,” and “repair and retrofiting” of concrete structures.



The JSCE Task Committee 331 focuses on research on structural performance of concrete structures with material degradation including reinforcement corrosion, alkali-silica reaction, and frost damages.

## Working Groups

Four working groups were organized in the committee.

**WG1:** Systematic experimental study on structural behavior of concrete members with material deterioration.

**WG2:** Modeling and numerical analysis of concrete members and structures with material deterioration.

**WG3:** Inspection techniques of existing concrete structures in terms of structural performance

**WG4:** Life cycle management of concrete structures based on reliability technique and structural performance criteria.



## Activities

The JSCE Task Committee 331 started its work in May 2004 with over 50 members. A report of its activities of the first two years will be published in September 2006 in Japanese, and just a summary in English. The work will be continued for more two years.