

절차서 전자수첩의 개념 설계
Conceptual Design of Computerized Portable Procedures

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요 약

원자력발전소에서는 여러 가지 발전소 업무를 수행하는데 있어 절차서를 사용한다. 최근 이를 전산화하는 작업이 다각적으로 수행되는데, 한층 더 나아가 이를 전자수첩화하는 방안을 생각하고 이에 대한 타당성 및 과급효과에 대하여 논의한다.

The Effects of Nuclear Safety and Risk Perception
on the Acceptance of Nuclear Power

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Abstract

This study tries to reveal the structure of publics' attitude toward nuclear power in Korea. The main points are focused on what the public think of the safety of nuclear power, what contribute to the perception of nuclear risk and what factors make influence on the acceptance of the risk. The national survey data were analyzed by latent class analysis (LCA), log-linear model (LLM), and structural equations model (SEM). LCA enabled collinear and nominal variables to be condensed into a variable having the ordinal property, LLM did the relationships among variables to be identified, and SEM did the relationships to be integrated and quantified. It was quantitatively found that Korea people regard nuclear power plant as necessary, but the nearby construction of a plant as another one. The important factors for explaining such behavior were the judgment of safety and necessity as well as the subjective risk-perception on possible accident, radiation effect, and environmental damages. Moreover, the male's judgment was different from the female's, which is resulted from the difference of the role of the subjectively perceived risk.