

Seminarium Zakładu Energetyki Jądrowej i Analiz Środowiska (UZ3)
Departament Badań Układów Złożonych (DUZ)

Wtorek: 09.04.2019, 11:30

CYFRONET (bud. 39), sala 172 (III piętro)

Grzegorz Siess

HAZOP - Hazard and Operability Analysis

Abstract:

Hazard and Operability Analysis (HAZOP) is a structured and systematic technique for system examination and risk management. HAZOP is often used as a technique for identifying potential hazards in a system and recognizing operability problems, which could likely lead to wrong products. HAZOP is based on the assumption that risk events are caused by deviations from design or operating limits and functions. Identification of such deviations is facilitated by using sets of “guide words” as a systematic list of deviation perspectives. This approach is a unique feature of the HAZOP methodology that helps stimulating the imagination of team members while exploring potential deviations.

HAZOP should be applied to a plant during final design before the construction commence. The study identifies possible deviations from normal operating conditions, which could lead to hazardous situations. The process enables a comprehensive evaluation of hazard control systems and produces recommendations for any necessary modifications.

Serdecznie zapraszamy,
M. Dąbrowski, T. Kwiatkowski