



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

Wtorek: **07.01.2020**

11:30

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

Michał Komorowicz

**Analysis of the possibility of using supercritical CO₂ in high
temperature reactors**

Abstract:

The aim of this work was to analyse selected issues related to the use of supercritical carbon dioxide as a cooling medium or even as a moderator in High Temperature Reactors. Extreme work conditions pose unique technological and material challenges. The most important differences between this cycle and the Brayton and Rankin cycles as well as potential solutions for key problems of the circuit in various configurations will be presented. In addition, an air cooling proposal will be discussed.

Serdecznie zapraszamy,
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