

Saudi International Conference On Nuclear Power Engineering (SCOPE)

Tuesday, 14 November 2023

(Ground-105 - Lecture Hall (13:50 - 14:50/60 - Day 2- Parallel Session - II : Nuclear Materials: - I : Irradiation Effects

Conveners: Kaleem Ahmed; Zuhair Gasem-

time	id] title]	presenter
13:50	Review of the radiation effect on the cladding of zirconium alloy in [23126] nuclear reactors	ALSHAREEF, Abdulmalik
14:10	Visualization Experiments of Radiation Heating on the Eutectic Reaction [23052] between B4C-SS and Its Relocation Behavior	AHMED, Zeeshan

Ground-105/60 - Day 2- Parallel Session - II : Nuclear Materials: - II : Hydrogen Embrittlement & Simulation Techniques

(Lecture Hall (15:10 - 16:30 -

Conveners: Ayman El-Said; Ihsan ulhaq Toor-

time	id] title]	presenter
15:10	Simulation of Crack in the Nuclear Reactor Pressure Vessel using [23190] Extended Finite Element Method Technique	Dr YAQOOB, Haseeb
15:30	Frequency-Dependent Fatigue Crack Growth in Stainless Steels in [23144] Simulated LWR Environments	GASEM, Zuhair
15:50	Hydrogen and Temper Embrittlement Effects on Fatigue Fracture [23186] Behaviour of 2.25Cr-1Mo Nuclear Reactor Pressure Vessel Steel	.Prof. ISLAM, M. A
16:10	The Synergetic Effects of Irradiation and Corrosion on Structural [23194] Materials in Molten Salt Reactors	Dr ALMOUSA, Nouf