

Saudi International Conference On Nuclear Power Engineering (SCOPE)

Tuesday, 14 November 2023

(Ground-104 - Lecture Hall (09:20 - 10:20/60 - Day 2 Parallel Session - I : Thermal-Hydraulics: - III: Single Phase CFD

Conveners: Muhamed Hadziabdic; Osman Siddiqui-

time	id] title]	presenter
09:20	A CFD Approach to Mimic the Molten Corium-Concrete Interaction [23104] Phenomena: Effects of the Thermal Boundary Conditions	KHURSHID, Dr. Ilyas
09:40	CFD validation of forced and natural convection for the open phase of [23031] IAEA benchmark CRP - I31038	Dr BATTÀ, Abdalla
10:00	Lesson learned from numerical activities in support to the development [23056] of SCWRs at the University of Pisa	PUCCIARELLI, Andrea

(Ground-104 - Lecture Hall (10:40 - 12:00/60 - Day 2 Parallel Session - I : Thermal-Hydraulics: - IV: Single Phase CFD

Conveners: Andrea Pucciarelli; Daniele Martelli-

time	id] title]	presenter
10:40	Validation of turbulent models as a key element in the development of [23176] CFD methodology for nuclear safety and design applications	KWIATKOWSKI, Tomasz
11:00	Bare Rod Bundles Fuel Assembly Coolant Flow Analysis through a [23174] Hybrid-Based CFD Methodology	MERI, Yazan
11:20	Turbulent heat flux modelling by using elliptic-blending k-ε-ζ-f RANS [23188] model	.HADŽIABDIĆ, M
11:40	Machine Learning Implementation on Reynold Average Navier-Stoke [23217] Equations: A Review	AHMAD, Adeel