



# Saudi International Conference On Nuclear Power Engineering (SCOPE)

## Wednesday, 15 November 2023

**(Ground-104 - Lecture Hall (09:20 - 10:20/60 - Day 3- Parallel Session - I : Thermal-Hydraulics: V: Experiments**

Conveners: Ali Alshehri; Annalisa Manera-

time	id] title]	presenter
09:20	Experimental PIV Measurements in a Randomly Packed Isothermal [23023] Pebble Bed Core Prototype	ALMATHAMI, Abdulaziz
09:40	Effect of heating configuration on plenum-to-plenum thermal hydraulics [23026] of buoyancy driven air	ALJUWAYA, Thaar
10:00	Experimental Investigation of Bubble Dynamics During Loss of Coolant [23069] (Accident Conditions in a Pressurized Water Small Modular Reactor (PWSMR	ALJUWAYA, Thaar

**(Ground-104 - Lecture Hall (10:40 - 12:00/60 - Day 3- Parallel Session - I : Thermal-Hydraulics: - VI: Experiments**

Conveners: Iztok Tiselj; Abdullah Bata-

time	id] title]	presenter
10:40	Flow reconstruction of single-phase buoyant jet from sparse [23103] temperature measurements	Mr WANG, Xicheng
11:00	Experimental study of isothermal vertical slug flow [23138]	TISELJ, Iztok
11:20	Multi-layered bubble detection in an air-water two-phase flow [23076]	ABUSAH, Johnson Lorlornyo

**(Ground-104 - Lecture Hall (13:50 - 14:50/60 - Day 3- Parallel Session - I : Thermal-Hydraulics: - VII: Two-Phase Flows**

Conveners: Abdelsalam Alsarkhi; Thaar Aljuwaya-

time	id] title]	presenter
13:50	Numerical Investigation of the Breath Figure Spot Characteristics in a [23061] Jet Impingement Condensation Process	ALSHEHRI, Ali
14:10	Bubble transport during SGTR accident in lead-cooled fast reactor: A [23037] machine learning	Mr DONG, Kejian
14:30	Fluidelastic Stability Analysis Using Unsteady Fluid Force Measurement [23216] of a Rotated Square Array Subjected to Two-phase Cross-flow	DARWISH, Sameh