



# Saudi International Conference On Nuclear Power Engineering (SCOPE)

## Tuesday, 14 November 2023

**Ground-102/60 - Day 2- Parallel Session - III : Safety and Severe Accidents: - I: Nuclear facilities & environmental studies  
(Lecture Hall (09:20 - 10:20 -**

**Conveners: Yacine Addad; Asad Arshad-**

time	id] title]	presenter
09:20	Invited Talk - THAI database for validation of containment safety [23189] analyses codes	Dr GUPTA, Sanjeev
09:40	Safeguarding Biodiversity and Future Generations: An Application of [23055] RESRAD Codes for Nuclear Emergency Planning and Response	Dr BELLO, Suleiman
10:00	Structural Health Monitoring of nuclear site structural facilities using [23074] Optimal Sensor Placement for damage detection and prediction of failure	MUHAMMAD BUTT, Asad

**Ground-102/60 - Day 2- Parallel Session - III : Safety and Severe Accidents: - II: DBA and DEC investigation and analysis  
(Lecture Hall (10:40 - 12:00 -**

**Conveners: Luis E. HERRANZ; Sanjeev Gupta-**

time	id] title]	presenter
10:40	UNCERTAINTY QUANTIFICATION OF THE FISSION PRODUCT [23081] RELEASE DURING SEVERE ACCIDENTS IN NORDIC BWRS	ACHARYA, Govatsa
11:00	Severe Accidents research in the frame of SNETP/NUGENIA: Recent [23182] (major achievements (2019-2023	.HERRANZ, Luis E
11:20	Source term determination of containment by-pass accidents using [23153] results of thermal-hydraulic system codes	Dr KECEK, Adam
11:40	Validation of a MELCOR model of Reactor Cavity Cooling System [23172] through support of CFD simulation	Mrs SKRZYPEK, Eleonora