Session Program

19–22 Apr 2022

International Conference on Fast Reactors and Related Fuel Cycles FR22: Sustainable Clean Energy for the Future (CN-291)

2.2 Safety Design and Analysis

Vienna, Austria

Wednesday 20 April

10:40

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Session | **Location:** Vienna, Austria

10:40–10:52 **Overview of the Versatile Test Reactor Safety Analysis**

Speaker
Tyler Sumner

10:52–11:04

Integrating safety at the first design stages: a new methodology for safety-oriented SFR core design

Speaker
Dr Jean-Baptiste Droin

11:04–11:16

Thermal hydraulic assessment of the performance of secondary sodium system based decay heat removal circuit

Speaker
anurag samantara

11:16–11:28

PRE-DESIGN OF A PASSIVE DECAY HEAT REMOVAL SYSTEM WITH A PHASE CHANGE MATERIAL FOR SMR-SFR

Speaker
Mr Alessandro Pantano

11:28–11:40 **Development of the Versatile Test Reactor (VTR) Probabilistic Risk Assessment**

Speaker
Mr Jason Andrus

11:40–11:52

ANALYSIS OF THE SGTR ACCIDENT FOR SAFETY JUSTIFICATION OF TWO-CIRCUIT LEAD COOLED REACTOR.

Speaker
Mr IURII SHVETSOV

11:52–12:04 **Design Studies Towards Raising FBTR to Full Power**

Speaker
RAGHUPATHY S.

12:04–12:16 **Modelling of postulated reactivity insertion in a Generation IV Molten Salt Reactor**

Speaker
Thibault LE MEUTE

12:40