

Session Program

19-22 Apr 2022

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

2.3 Accident Analysis

Vienna, Austria

Wednesday 20 April

13:40

2.3 Accident Analysis

Session | Location: Vienna, Austria

13:40–13:52

Coupled neutronic/thermal-hydraulic simulation of Unprotected Loss of Flow Test at Fast Flux Test Facility

Speaker

Dr Mikityuk Konstantin

13:52–14:04

MECHANISTIC MODELLING OF AEROSOL EVOLUTION IN AN SFR CONTAINMENT FOLLOWING A HYPOTHETICAL SEVERE ACCIDENT

Speaker

Mr PARTHKUMAR RAJENDRABHAI PATEL

14:04–14:16

Modelling and Simulation of Source Term for Sodium-Cooled Fast Reactor under Hypothetical Severe Accident: Primary System/Containment System Interface Source Term Estimation

Speaker

Yuichi ONODA

14:16–14:28

Modeling and Simulation of Source Term for Sodium-Cooled Fast Reactor under Hypothetical Severe Accident: Sodium Fire and Radionuclide Transport in Containment

Speaker

Dr Jong E. Chang

14:28–14:40

The Severe Accident Management of the high-power SFR with loss of the heat removal from the core

Speaker

Iliia Pakhomov

14:40–14:52

Over three decades of radiological protection experience at Fast Breeder Test Reactor (FBTR)

Speaker

Sarangapani Rajagopalan

14:52–15:04

Safety Analysis of Small Modular Sodium Fast Reactors in Anticipated Transients Without Scram Scenarios

Speaker

Mr Xin Jin

15:04–15:16

The Versatile Test Reactor (VTR) Approach to Sodium Fire Hazards Analysis and Protection System Methodology

Speaker

Matthew Bucknor

15:40