

Session Program

19-22 Apr 2022

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

6.4 Simulation Tools for Safety Analysis

Vienna, Austria

Thursday 21 April

13:40

6.4 Simulation Tools for Safety Analysis

Session | Location: Vienna, Austria

13:40–13:52

Models of the integral EUCLID/V2 code for numerical simulation of severe accidents in a sodium-cooled fast reactor with MOX and MNUP fuels

Speaker
Dr Eduard Usov

13:52–14:04

Development of Integrated Severe Accident Analysis Code, SPECTRA for Sodium-cooled Fast Reactor

Speaker
Dr Akihiro Uchibori

14:04–14:16

Aerosol module for modeling of the fission product behavior in FR cooling circuits and NPP compartments

Speaker
Andrey Sorokin

14:16–14:28

Analysis of the natural circulation capacity of decay heat removal system in pool-type sodium-cooled fast reactor

Speaker
Dr Yapeng Liu

14:28–14:40

Regulatory Perspectives on Analytical Codes and Methods for Advanced Reactors

Speaker
Walter Klein-Heßling

14:40–14:52

Models of the integral EUCLID/V2 code for numerical modeling of different regimes of lead-cooled fast reactor

Speaker
Mr Dmitry Veprev

14:52–15:04

Target Accuracy Requirements and an evidence-based background for MSFR safety assessment

Speaker
Dr Evgeny Ivanov

15:04–15:16

SOCRAT-BN INTEGRAL CODE: DEVELOPMENT, VALIDATION AND CURRENT STATUS

Speaker
Mr Ruslan Chalyy

15:40