

Session Program

19–22 Apr 2022

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

5.1 Experimental Reactors and Facilities

Vienna, Austria

Wednesday 20 April

13:40

5.1 Experimental Reactors and Facilities

Session | Location: Vienna, Austria

13:40–13:52

Complex of experimental facilities for design and safety justification of fast reactors with liquid metal coolants

Speaker
Mrs Luliia Kuzina

13:52–14:04

Physical modeling of hydrodynamics and heat exchange in fast reactors with liquid metal coolants

Speaker
Mrs Julia Kuzina

14:04–14:16

Overview of a Sodium Fast Reactor Thermal Hydraulic Test Facility

Speaker
Matthew Weathered

14:16–14:28

Overview of the R&D programs led by the past at IRSN on sodium fire

Speaker
Jean-Marc SUCH

14:28–14:40

Mechanisms Engineering Test Loop (METL) Facility

Speaker
Mr Christopher Grandy

14:40–14:52

EXPERIMENTAL CAPABILITIES OF THE RESEARCH REACTOR FACILITY MBIR. MAIN AREAS OF THE RESEARCH PROGRAMME IN THE INTERESTS OF THE GENERATION 4 REACTORS

Speaker
Dmitrii Klinov

14:52–15:04

Versatile Test Reactor (VTR) Project Mission and Status

Speaker
Jordi Roglans-Ribas

15:04–15:16

MULTIPURPOSE RESEARCH FACILITY MBIR AND POLY FUNCTIONAL RADIOCHEMICAL COMPLEX (R&D COMPLEX) AS A UNIQUE RESEARCH PLATFORM

Speaker
Alexander Zagornov

15:16–15:28

VERSATILE TEST REACTOR: CONCEPTUAL CORE DESIGN OVERVIEW

Speaker
Florent Heidet

15:40