

Session Program

19–22 Apr 2022

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

6.5 Integrated Analysis and Digitalization

Vienna, Austria

Friday 22 April

10:30

6.5 Integrated Analysis and Digitalization

Session | Location: Vienna, Austria

10:30–10:42

DIGITAL TECHNOLOGIES FOR PROJECT DEVELOPMENT ODEC AND PEC AND DIGITAL TWINS

Speaker

Andrei Fedorovskii

10:42–10:54

Development of an Artificial Neural Network for predicting spatial interdependencies of reactivity effects in Sodium Fast Reactors

Speaker

Mr Antonio Jiménez-Carrascosa1

10:54–11:06

APPLICATION OF DIGITAL TWIN OF FAST REACTOR PLANT FOR CONTROL SYSTEM ALGORITHM TESTING

Speaker

Anton Ushatikov

11:06–11:18

Computational Studies of Advantages of Lead-Cooled Fast Reactor Core

Speaker

Mr A.V. Moiseev

11:18–11:30

Passive Heat Removal System Analysis for the Westinghouse Lead Fast Reactor

Speaker

Mr Daniel Wise

11:30–11:42

APPROACHES TO FORM THE BN 1200 CORE START LOADING USING MOX-FUEL AND MNUP-FUEL

Speaker

Sergey Belov

11:42–11:54

DISTINCTIVE FEATURES OF THE BN-800 CORE IN THE COURSE OF TRANSITION TO COMPLETE MOX-FUEL LOADING

Speaker

Sergey Belov

12:30