

Session Program

19-22 Apr 2022

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

6.2 Thermal Hydraulics

Vienna, Austria

Wednesday 20 April

13:40

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Session | Location: Vienna, Austria

13:40–13:52

Possibility of Simulating Natural Circulation in Fast Neutron Reactors Using a Light Water Test Facility

Speaker

Mr Dmitrii Uralov

13:52–14:04

Recent thermal hydraulic studies of Gas Fast Reactor demonstrator ALLEGRO

Speaker

Mr Boris Kvizda

14:04–14:16

Experimental modeling of a fuel element simulator vibration in a coolant flow

Speaker

Prof. Nikolaay Pribaturin

14:16–14:28

DEVELOPMENT OF COOLANT VOIDING MODEL FOR FAST REACTOR CORE

Speaker

Dhrumil Ganatra

14:28–14:40

ALFRED FLOW BLOCKAGE ANALYSIS

Speaker

Dr Ivan Di Piazza

14:40–14:52

CFD Simulations on a hexagonal 61-pin wire-wrapped fuel bundle with STARCCM+ and comparison with experimental data.

Speaker

Octavio Bovati

14:52–15:04

Progress in system thermohydraulic code HYDRA-IBRAE/LM models development for fast reactor simulation

Speaker

Alexander Palagin

15:40