

Session Program

19-22 Apr 2022

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

3.4 Advanced Fuel Development

Vienna, Austria

Friday 22 April

13:30

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Session | Location: Vienna, Austria

13:30–13:42

ON THE POSSIBILITY TO CHANGE THE ISOTOPIC COMPOSITION OF PLUTONIUM FROM THE SPENT MOX FUEL OF PWRs IN FAST REACTORS

Speaker

Prof. Andrey Gulevich

13:42–13:54

Postirradiation characterization of AFC metallic fuel alloys concepts.

Speaker

Luca Capriotti

13:54–14:06

RESULTS OF POST-IRRADIATIONS EXAMINATIONS OF MIXED NITRIDE PINS WITH GAS AND LIQUID METAL SUB-LAYERS

Speaker

Anna Belyaeva

14:06–14:18

Nuclear Fuels for Fast Reactors-A Review

Speaker

Mr Abu Baker Maqbool

14:18–14:30

LOW ENRICHMENT NUCLEAR FUEL BASED ON URANIUM-ZIRCONIUM CARBONITRIDE: REACTOR TESTS AND PREPARATION FOR STUDIES AT CRITICAL ASSEMBLIES

Speaker

Mr Andrei Bakhin

14:30–14:42

TYPES OF CHEMICAL COMPOUNDS IN THE ASSESSMENT OF RADIATION AND HYGIENIC HAZARDS WHEN WORKING WITH IRRADIATED NITRIDE FUEL

Speaker

Mr Artem Komarov

14:42–14:54

Research and development of nuclear fuel for fast neutron reactor

Speaker

Maksim KHRAMTSOV

14:54–15:06

Analysis of Fuel Burnup and Safety Parameters of Gas Cooled Fast Breeder Reactors

Speaker

Mr Moustafa Aziz Ibrahim

15:30