

**Session Program**

19-22 Apr 2022

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

***3.1 Fuel Cycle Scenarios***

Vienna, Austria

## Wednesday 20 April

10:40

### 3.1 Fuel Cycle Scenarios

Session | Location: Vienna, Austria

10:40–10:52

**The initial stage of closing the NFC of two-component nuclear power. Challenges and solutions**

Speaker

Mr Andrey Gulevich

10:52–11:04

**Presentation of the new European project PUMMA devoted to Plutonium management in the whole fuel cycle**

Speaker

nathalie chauvin

11:04–11:16

**Fuel cycle closure for high power fast neutron reactor**

Speaker

Elena Rodina

11:16–11:28

**Perspectives and discussions on the modes and development path of China's commercial closed nuclear fuel cycle**

Speaker

Mr MIN XIAO

11:28–11:40

**Potential Role of Fast Reactors with Heterogeneous Fuel Assembly in Development Nuclear Power Structure**

Speaker

Yaroslav Kotov

11:40–11:52

**Reference Fuel Options for Generation-IV Sodium-cooled Fast Reactors**

Speaker

Frédéric SERRE

11:52–12:04

**The influence of isotopic composition of plutonium in fast reactor fuel on the reactivity margin**

Speaker

Yulia Karazhelevskaia

12:04–12:16

**RADIATION AND HYGIENE ASSESSMENT OF EXTERNAL EXPOSURE FACTORS OF PERSONNEL WORKING AT EXPERIMENTAL FACILITIES IN THE PRODUCTION OF MIXED NITRIDE URANIUM-PLUTONIUM FUEL**

Speaker

Mr Pavel Gantsovsky

12:40