

**Session Program**

19-22 Apr 2022

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

***1.2 Innovative Design Advances***

Vienna, Austria

## Wednesday 20 April

13:40

### 1.2 Innovative Design Advances

Session | Location: Vienna, Austria

**13:40–13:52** The Westinghouse Lead Fast Reactor: overview and progress in development

**Speaker**

Dr Paolo Ferroni

**13:52–14:04** Pilot Demonstrational Fast Reactor with Lead Coolant BREST-OD-300

**Speaker**

Mr V.V. Lemekhov

**14:04–14:16** CHOICE OF A COOLANT FOR A MODULAR SMALL POWER REACTOR SVBR-100

**Speakers**

Prof. Georgii Toshinskii, Georgii Toshinskii

**14:16–14:28**

**Core Design of 100MWe Advanced Nitride-fueled Simplified Liquid Metal Cooled Fast Reactor**

**Speaker**

Mr Tung Dong Cao Nguyen

**14:28–14:40** Novel neutronics design of the MYRRHA core

**Speaker**

Luca Fiorito

**14:40–14:52** Project of a multipurpose lead reactor with a hard neutron spectrum

**Speaker**

Samokhin Dmitrii

**14:52–15:04**

**Proposal of a compact core design for the 1000 MWe French commercial Sodium Fast Reactor by means of the SDDS multi-objective optimization tool**

**Speaker**

Dr Sandra POUmeroULY

**15:04–15:16**

**Conceptual design of ultra-long life hybrid micro modular reactor cooled by potassium heat pipe**

**Speaker**

Mr Seongdong Jang

15:40