

**Session Program**

19-22 Apr 2022

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

***6.6 Fuel Performance and Material Modelling***

Vienna, Austria

## Friday 22 April

13:30

### 6.6 Fuel Performance and Material Modelling

Session | Location: Vienna, Austria

**13:30–13:42** Simulation of fission gas release in the 3-D fuel performance code OFFBEAT

Speaker

Carlo Fiorina

**13:42–13:54**

First fully adjusted set of parameters for the corrosion product contamination code OSCAR-Na

Speaker

Mr Jean-Baptiste GENIN

**13:54–14:06**

MSR Fuel Cycle and Thermo-Dynamics Simulations

Speaker

Mr Jonathan Dietz

**14:06–14:18**

The fluid structure interaction of narrow gaps between thin-wall coaxial structures in fast reactors

Speaker

Dr Yu LIU

**14:18–14:30**

A statistical design method for steady state creep applied to Grade 91 components

Speaker

Mark Messner

**14:30–14:42**

Mechanistic code BERKUT-U: self-consistent modeling of fuel rods thermomechanical behavior and processes in the fuel of fast breeder reactors

Speaker

Mr Anton Zadorozhnyi

**14:42–14:54**

Computational fluid dynamics study for estimation of dilution for failed fuel location system

Speaker

Mr Ram Kumar Maity

15:30