

**Session Program**

19-22 Apr 2022

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

***2.4 Severe Accidents***

Vienna, Austria

## Friday 22 April

10:30

### 2.4 Severe Accidents

Session | Location: Vienna, Austria

10:30–10:42

**Development of methodology to evaluate mechanical consequences of vapor expansion in SFR severe accident transients: lessons learned from previous France-Japan collaboration and future objectives and milestones**

**Speaker**  
Andrea Bachrata

10:42–10:54

**Simulation of ULOF initiation phase in ESRF-SMART with SIMMER-III**

**Speaker**  
Xue-Nong Chen

10:54–11:06

**The SAIGA in-pile experimental program to qualify the SIMMER calculation tool in SFR Severe Accident Conditions**

**Speaker**  
Frédéric Payot

11:06–11:18

**A Status of Experimental Program to Achieve In-Vessel Retention during Core Disruptive Accidents of Sodium-Cooled Fast Reactors**

**Speaker**  
Dr KENJI KAMIYAMA

11:18–11:30

**Comparisons of Feedback under UTOPA with In Pin Fuel Motion Dynamics in Fast Reactors**

**Speaker**  
Mrs Sathiyasheela T.

11:30–11:42

**French-Japanese experimental collaboration on fuel-coolant interactions in sodium-cooled fast reactors**

**Speaker**  
Christophe Journeau

11:42–11:54

**Transient 3D simulations for the ASTRID reactor: preliminary results for the ULOF initiation phase**

**Speaker**  
Simone GIANFELICI

11:54–12:06

**Experiment and Numerical Simulations on SFR Core-catcher Safety Analysis after Relocation of Corium**

**Speaker**  
Ms Xiaoyang Gaus-Liu

12:30