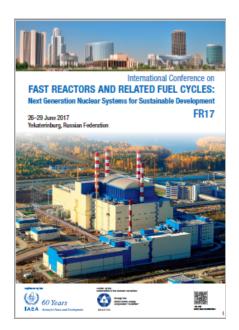**Session Program**

26–29 Jun 2017

International Conference on Fast Reactors and Related Fuel Cycles: Next Generation Nuclear Systems for Sustainable Development (FR17)

6.1 CFD and 3D Modeling

Yekaterinburg

Monday 26 June

13:00

6.1 CFD and 3D Modeling
Session | **Location:** Yekaterinburg, Room 6 | **Conveners:** Dr Velusamy Karuppanna Gounder, Prof. Leonid Bolshov

13:00–13:20

Numerical simulation of hydraulics and heat transfer in the BREST-OD-300 LFR fuel assembly

Speaker

Dr Dmitry Fomichev

13:20–13:40   **Steady State Modelling and Validation of Once Through Steam Generator**

Speaker

Dr Velusamy Karuppanna Gounder

13:40–14:00   **Applications of the DNS CONV-3D Code for Simulations of Liquid Metal Flows**

Speaker

Mrs Vladimir Chudanov

14:00–14:20   **3D Modeling of Fuel Handling System for PFBR Operator Training Simulator**

Speaker

Mr Venkatesan Arasappan

14:20–14:40

Numerical Simulation Method of Thermal Hydraulics in Wire-wrapped Fuel Pin Bundle of Sodium-cooled Fast Reactor

Speaker

Hiroyuki Ohshima

14:40–15:00

Modelling and Simulation of Heat Transport System and Steam Power Transition System of CEFR

Speaker

Prof. Zhao-Fei TIAN

15:00