

## Session Program

Jun 26 - 29, 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

# Mon, June 26

1:00 PM

## 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

3:00 PM