

Session Program

26–29 Jun 2017



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

6.2 Thermal Hydraulics Calculations and Experiments

Yekaterinburg

Monday 26 June

15:10

6.2 Thermal Hydraulics Calculations and Experiments

Session | Location: Yekaterinburg, Room 6 | Conveners: Mrs Nastasia Mosunova, Mr Selvaraj Perumal

15:10–15:30 Thermal Hydraulic Study of Steam Generator of PGSFR

Speaker

Dr Jonggan Hong

15:30–15:50

EFFECT OF INLET TEMPERATURE AND OPERATING LINEAR HEAT RATING (LHR) ON THE MAXIMUM ACHIEVABLE BURNUP OF MK-1 CARBIDE FUEL IN FBTR

Speaker

Mr CLEMENT RAVI CHANDAR SOWRINATHAN

15:50–16:10

Extension to Heavy Liquid Metal coolants of the validation database of the ANTEO+ sub-channel code

Speaker

Mr Francesco Lodi

16:10–16:30

Density of sodium along the Liquid-Vapor Coexistence Curve, including the Critical Point

Speaker

Dr M. Laura Japas

16:30–16:50

Experimental investigations of velocity and temperature fields, stratification phenomena in a integral water model of fast reactor in the steady state forced circulation

Speaker

Mr Aleksandr Trufanov

16:50–17:10

Development and Validation of Multi-scale Thermal-Hydraulics Calculation Schemes for SFR Applications at CEA

Speaker

Mr Yannick Gorsse

17:10