

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



Monday, 26 June 2017 - Thursday, 29 June 2017

Yekaterinburg

The purpose of the conference is to provide a forum to exchange information on national and international programmes, and more generally new developments and experience, in the field of fast reactors and related fuel cycle technologies. A first goal is to identify and discuss strategic and technical options that may have been proposed by individual countries or companies. Another goal is to promote the development of fast reactors and related fuel cycle technologies in a safe, proliferation resistant and cost-effective manner. A third goal is to identify gaps and key issues that need to be addressed in relation to the industrial deployment of fast reactors with a closed fuel cycle. A fourth goal is to engage young scientists and engineers in this field, in particular with regard to the development of innovative fast reactor concepts.

Plenary Session: National and International Fast Reactor Programmes

Track 1. Innovative Fast Reactor Designs

Track 2. Fast Reactor Operation and Decommissioning

Track 3. Fast Reactor Safety

Track 4. Fuel Cycle: Sustainability, Environmental Considerations and Waste Management Issues

Track 5. Fast Reactor Materials (Fuels and Structures) and Technology

Track 6. Test Reactors, Experiments and Modeling and Simulations

Track 7. Fast Reactors and Fuel Cycles: Economics, Deployment and Proliferation Issues

Track 8. Professional Development and Knowledge Management

Panel 1: Development and standardization of Safety Design Criteria and Guidelines for Sodium Cooled Fast Reactors

Development and standardization of Safety Design Criteria (SDC) and Guidelines (SDG) for Sodium Cooled Fast Reactors

Panel 2: Small and Medium Sized Fast Reactors

Young Generation Event Panel