



Contribution ID: 19

Type: Oral

Reactive hazards during SNF reprocessing as possible causes of radiation accident

Wednesday, 26 June 2019 10:10 (20 minutes)

The experience of nuclear fuel cycle facilities operation shows that explosions during reprocessing of radioactive material could lead to release of radioactive elements with consequences for environmental. The root cause of many of them is chemical interactions with heat and gas generation. Hazard identification methods have been developing for many years, but the specifics of the nuclear industry requires to adapt the approaches. The chemical processes are going to be used for solving the radioactive waste problems that means that the agreed by the scientific community approaches of the safety assessment should be developed.

Do you wish to enter the YGE SFM19 Challenge?

Yes

Country or International Organization

Russian Federation

Primary author: Dr RODIN, Alexey (Scientific and Engineering Centre for Nuclear and Radiation Safety)

Presenter: Dr RODIN, Alexey (Scientific and Engineering Centre for Nuclear and Radiation Safety)

Session Classification: Session 4.1

Track Classification: Track 4: Recycling as a spent fuel management option