



Alexander V. Trifanov

PSAM12 Speaker Bio

Simplified Human Reliability Analysis Process for Emergency Mitigation Equipment Deployment

Short Statement: Co-author and speaker.

BIOGRAPHY

Mr. Trifanov is a Principal Engineer-Scientist in Probabilistic Risk Assessment (PRA) department of Kinectrics, Inc., Canada, with more than 20 years of experience in reactor safety. Mr. Trifanov was and is involved in management and technical execution of multiple risk assessment projects such as Internal Events Level 1 at-power and outage PRAs, Level 2 PRAs, Internal Flood PRAs, Internal Fire PRAs, Seismic PRAs, Assessment of External Hazards.



Prior to joining Kinectrics, Mr. Trifanov worked in the Probabilistic Safety Assessment division of the Canadian Nuclear Safety Commission where he was involved in development of regulatory documents, review of licensing submissions, performing regulatory inspections, and carrying out research projects related to regulatory activities in the area of PRA.

Mr. Trifanov served as the Head of the Laboratory of Safety Analysis of Nuclear Installations and Potentially Hazardous Technologies in the International Chernobyl Centre for Nuclear Safety, Radioactive Waste and Radioecology. During this time, he managed the technical staff of the laboratory and a number of various PRA projects performed by the laboratory for light water reactors in Ukraine.

When working in the Specialized Centre of Power Plants Personnel Training, Mr. Trifanov was involved in development of training courses and training aids, as well as in delivering of training to operating staff of power plants. During his employment in the State Scientific and Technical Centre of Nuclear and Radiation Safety of Ukraine, Mr. Trifanov was involved in development of PRA models and performing thermal-hydraulic calculations using RELAP5 code. After graduation from university, Mr. Trifanov worked in operations on a thermal power plant.

Mr. Trifanov was graduated from the Kiev Polytechnic Institute in Ukraine with Master degree in Electrical Engineering.