

## **Biographies of the Panelists for the Panel on Stack-Up Analysis**

### **Dr. Gordon Bjorkman**

Dr. Bjorkman has a broad background in structural mechanics gained through 35 years experience as a consultant, expert witness, university professor, National Science Foundation principal investigator, and Nuclear Regulatory Commission Branch Chief. He has extensive experience in the analysis and design of nuclear power plant structures, spent fuel storage and transportation casks, reactor pressure vessels and piping, and the analysis and design of structures to resist blast, earthquake, and aircraft impact. Dr. Bjorkman is founder and Chairman of the ASME, Section III, Division 1 Special Working Group on Computational Modeling for Explicit Dynamics, a member of the Working Group on Design of Spent Fuel Storage and Transportation Containments, and Subgroup NUPACK. He began his career in the aerospace industry at Grumman Aircraft working on the final design of the Lunar Landing Module. He received his Bachelor of Science in Civil Engineering from Princeton University, a Masters in Structural Engineering from Cornell University, and PhD in Applied Mechanics from the University of Delaware. He is currently Senior Technical Advisor for Structural Mechanics in the Spent Fuel Storage and Transportation Division of the NRC.

### **Bruce Henley**

Bruce F. Henley is currently employed with Luminant at the Comanche Peak Nuclear Power Plant as a Project Manager in the Project Engineering Group. As a Project Manager, Mr. Henley has been responsible for implementing the Civil and Mechanical portions of Dry Cask Storage Project and in the development of natural gas resources under the site. Previous assignments for Mr. Henley with Luminant included being the Seismic Equipment Qualification Subject Matter Expert, which involved reviewing design changes and qualification reports, and witnessing seismic tests.

Mr. Henley received his Bachelor's (1975) and Master's (1977) degrees in Civil Engineering from Michigan State University, located in East Lansing, Michigan. Bruce is a registered professional engineer in Michigan and Texas, and received his certification as a Project Management Professional (2010) from the Project Management Institute. Bruce's previous work experiences include pool hydrodynamic and building seismic analyses with Sargent & Lundy in Chicago, Illinois, staff engineer on the Midland Project for Consumers Power Company in Jackson, Michigan, finite element analyses of engine components for Buick Motors in Flint Michigan, the Seismic Margins Research Project with Dr. Robert Kennedy in Newport Beach, California, Seismic Test Engineer with National Technical Systems in Acton, Massachusetts, seismic qualification of conduit for the Tennessee Valley Authority in Knoxville, Tennessee, and the seismic qualification of equipment at Comanche Peak for ABB Impell Corporation.

**Chuck Bullard**

Chuck Bullard is a Mechanical Engineer who has been employed with Holtec International for 17 years. During his time at Holtec, he has been actively engaged in numerous spent fuel rack and cask licensing applications as both a Project Manager and a Structural Analyst. Chuck's current role is the Lead Engineer and Manager of the Structural Analysis group at Holtec. Chuck has a BSME and a MSME from the University of Pennsylvania.

**Michael Yaksh**

Michael Yaksh received his PhD from Georgia Institute of Technology in Applied Mechanics. He has 30 years of experience in the nuclear industry. He is currently the Manager of the Applied Mechanics Group at NAC International in Norcross, GA. He has extensive experience in the design and analysis and testing of packages for storage and transport of radioactive materials. He has performed numerous analyses using large finite element models for explicit and implicit analyses for a variety of problems ranging from aircraft impact-to-impact limiters.