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Jung C. Bae

Specialized Professional Competence

- Failure analysis and accident reconstruction.
- Risk analysis of mechanical designs including identification of failure modes, assessment of consequence of failure, quantification of actual risk for use of existing systems, and projections of risks for systems under consideration.
- Design, computer aided engineering, and computer modeling of design.
- Vehicle testing and instrumentation.

Professional Qualifications

- Master of Science - Mechanical Engineering, University of Michigan, 1992
- Bachelor of Science - Mechanical Engineering, Massachusetts Institute of Technology, 1991
- Graduate Engineer
Tandy Engineering & Associates, Inc. - 2002 to present
- Graduate Engineer
Carr Engineering, Inc. – 1998 to 2002
- Specialist Engineer
Boeing Commercial Airplane Group – 1997-1998
System Dynamic Analysis, Landing Gear & Brake Vibrations Analysis, Gear Shimmy Analysis, and Test Data Analysis
- Project Manager, June 1996 – January 1997
Senior Engineering Analyst, January 1996 – June 1996
Engineering Analyst, July 1992 – December 1995
Mechanical Dynamics, Inc.
Computer Simulations of Rigid Multi-Body Dynamics, Vehicle Dynamics Simulations, Tire Modeling, and Computer Code Development
- Member of Society of Automotive Engineers and American Society of Mechanical Engineers