

# *Instructor Résumé*

**James E. Jones**  
Consultant in  
Geometric Dimensioning and Tolerancing to  
**Technology Training, Inc.**

Mr. Jones has over 30 years experience as an engineer and over 25 years as a technical educator. He has worked in the nuclear industry and as a private consultant, providing training in geometrics for commercial design and development. His areas of technical expertise include pressure equipment, pressure relief devices, fundamental and advanced geometric dimensioning and tolerancing (ASME certified), National Electric Code, and engineering drawing and dimensioning.

## **EXPERIENCE**

- 1990–present BETTIS ATOMIC POWER LABORATORY, West Mifflin, PA, *Lead Technical Training Instructor*. Responsible for all technical and engineering training programs at Bettis Laboratory, encompassing a broad range of technical areas.
- 1992–present *Private consultant*. Geometric Dimensioning & Tolerancing (GD&T) instructor for design professionals and draftsmen. Certified as a GD&T professional in 1995 by ASME at the Senior Level. Co-developed GD&T Applications and GDT Stacks and GD&T Applications Training Programs with internationally known GD&T expert, Al Neumann. GD&T teaching experience ranges from companies like Bechtel, Ingersol Rand, Accenture, Compsidie, and through local branches of Pennsylvania State University.
- 1980–1990 WESTINGHOUSE ELECTRIC CORPORATION, Monroeville, PA. *Senior Training Engineer / SNUPPS Simulator Instructor*. Instructed nuclear power plant operators, engineers, and management in all aspects of fundamental theory; plant systems design, construction, advanced reactor operations; and abnormal and emergency operating procedures. Provided several thousand hours of classroom, simulator, main control room, and in-plant training for initial qualification training, requalification training, and other specialized training programs.
- Developed accredited classroom, simulator, and in-plant operator training materials, compiling and reviewing design basis documentation and information, and utilizing the Systematic Approach to Training. Conducted training for domestic and international utility personnel, as well as nuclear industry personnel including INPO and the U.S. NRC.
- 1977–1980 GENERAL ELECTRIC KNOLLS ATOMIC POWER LABORATORY, Schenectady, NY. *Engineer*. Qualified as Shift Supervisor, Shift Test Engineer, Engineering Officer of the Watch, and Nuclear Plant Engineer on the Trident (S8G), a land-based nuclear submarine prototype reactor. Directed the operation, maintenance, and testing of all nuclear power plant and site systems and equipment. Directed initial S8G prototype criticality, plant startup, and specialized plant testing (including critical, solid-plant operations).

## **EDUCATION**

- Completed SRO Instructor Training Program and NRC Certification at Beaver Valley Unit 1, 1983
- Completed SRO Instructor Training Program and NRC Certification on the SNUPPS Simulator, 1982
- General Electrical Knolls Atomic Power Laboratory [Naval] Nuclear Power Training Program, 1977
- B.S., Marine Engineering (minor in nuclear and electrical engineering), U.S. Merchant Marine Academy, 1976

## **PROFESSIONAL AND TECHNICAL**

- Certified as a GD&T professional in 1995 by ASME at the Senior Level
- Certified as a Hazardous Materials professional (International Fire Service Accreditation Congress).

