

Professional Resume

DONALD L. ERICH
Clemson Engineering Technologies Laboratory
Clemson University

Clemson University

7/95 - Present

Clemson, SC 29634

Director - Clemson Engineering Technologies Laboratory

11/96 - Present

Responsible for identifying and obtaining research contracts, managing research projects and managing the operation of a 40,000 ft² research and analytical laboratory. Research activities include developing and demonstrating systems and technologies to treat radioactive and hazardous wastes with emphasis on mechanical and chemical process systems, and vitrification and ceramic stabilization. Budget responsibilities depend on level of activity but range from \$200 - \$400,000 for operations and \$2 - \$5,000,000 in research support.

Managing Director - Vitrification Research Laboratory

7/95 - 11/96

Responsible for maintaining vitrification laboratory funding and managing all lab activities, lab employees and the activities of graduate and undergraduate students involved with vitrification projects.

Concurrent Technologies Corporation

4/94 - 7/95

Johnstown, PA 15904

Principal Technical Manager

Responsible for development and management of contract research projects in support of government and commercial manufacturing needs. Technical activities involved modeling of the hot isostatic pressing process and tungsten fragmenting warhead manufacturing technique development.

Norton Construction Products Division

9/88-4/94

Gainesville, GA 30503

Technical Director

Responsible for research and development, engineering and quality departments for a manufacturer of diamond cutting tools. Specific activities included development of new products and manufacturing processes, evaluation of raw materials, and design, construction and installation of advanced, specialized manufacturing equipment world-wide.

Battelle - Columbus Division

12/84 - 9/88

Columbus, OH 43201

Associate Section Manager

Managed a contract research Powder Metallurgy section. Research areas included rapid solidification, advanced sintering technology development, and near-net shape fabrication via hot isostatic pressing.

ARCO Metals Co. Technical Center

10/82 - 12/84

Arlington Heights, IL 60006

Technical Manager

Established an advanced technology P/M laboratory to conduct research on atomization of rapidly solidified powder and fabrication of near-net shape fiber-reinforced composite structures.

International Nickel Co. Corporate R&D Center

8/73 - 10/82

Sterling Forest, Suffern, NY 10901

Senior Research Metallurgist

Conducted alloy development and mechanical processing research on oxide-dispersion strengthened Al and Fe-base alloys.

Sikorsky Aircraft Div. of United Technologies

6/72 - 8/73

Stratford, CT 06497

Research Engineer

Conducted research on Ti-alloy and graphite-epoxy composites for airframe applications.

EDUCATION

- 1978 Post-graduate studies
Stevens Institute of Technology, Hoboken, NJ
- 1973 MS, Materials Science
Drexel University, Philadelphia, PA
- 1971 BS, Metallurgical Engineering
Drexel University, Philadelphia, PA

PROFESSIONAL ORGANIZATIONS

Society for Manufacturing Engineers
American Foundry Society
American Society for Metals
American Powder Metallurgy Institute

PUBLICATIONS

Sixteen technical papers and client reports.
Two US patents.