



**John P. Sauer P.E.**  
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### Current Position

#### **Principal Engineering Expert Litigation Sauer Engineering 2000-2020**

- ◆ Work in the areas of metallurgy, materials, manufacturing, and quality control for cases involving fishhooks, automobile accidents, tank explosions, broken trailer hitches, medical devices, bicycles, child car seats, boom/fork lifts, bearings, boats, etc.
- ◆ Provide engineering consultation in the areas of thermal spray, training, project management, technical sales/marketing, and materials failure analysis.
- ◆ Consultant on Joint Strike Fighter (JSF) concerning materials and surface treatment issues

### Education

B.S. (1978) and M.S. (1979) in Metallurgical Engineering Ohio State University  
Professional Engineer, P.E. Ohio #55864

### Previous Experience

1998 to 2000 Belcan Engineering Cincinnati, Ohio  
Manager Process Engineering

- Management of all projects dealing with process improvement and coordination.
  - ◆ This involves all aspects from project planning to implementation of new developments.
  - ◆ Provide training to outside customers on process engineering topics and also write/revise procedures and specifications.
  - ◆ Failure/materials analysis are performed as a major task in process engineering.
  - ◆ Coordinate Standard Practice Manual (SPM) work used in component repair for GEAE concerning cleaning, heat treat, etc.

1991 to 1998: Metcut Research Inc., Cincinnati, OH  
Manager Metallography/Central Coatings Lab (CCL)

- Coordination and development of all activities in metallography and Central Coatings Laboratory (CCL).
  - ◆ Supervision of failure analysis projects and all quality control metallography.
  - ◆ Metallurgical consulting to testing/machining activities at Metcut and to outside sources (dealing with product improvement, processing problems, etc.).
  - ◆ Provide litigation product analysis, deposition and testimony functions.
  - ◆ Manage both research and training activities of CCL and provide teaching services.
  - ◆ Coordination of company business development and technical marketing in materials engineering area.



JOHN P. SAUER, Continued

1987 to 1991: Herron Testing Laboratories, Inc., Charlotte, NC  
Branch Manager

- Responsible for management and operation of branch facilities.
  - ◆ Managed chemical, mechanical testing, non-destructive testing (NDT), and metallurgical areas.
  - ◆ Developed program and capabilities to evaluate aircraft quality alloys, i.e., stress rupture, hot tensile, etc.
  - ◆ Coordinated failure analysis activities providing both in-house and customer based consulting expertise for all aspects of ferrous/non-ferrous metallurgy.
  - ◆ Provided direction and expertise in obtaining quality system audit approval from major nuclear, aerospace and government facilities.
  - ◆ Directed all marketing efforts and customer relations.

1984 to 1987: Duff Norton Company, Charlotte, NC  
Laboratory Supervisor

- Management of testing for all product lines and investigations.
  - ◆ Involved in metallurgical failure analysis to replication of actual field service environments.
  - ◆ Managed all testing programs for hoist, actuator and mechanical jack products including prototype/quality control evaluations.

1979 to 1984: Aluminum Company of America, Cleveland, OH  
Metallurgist

- Staff liaison between quality and manufacturing departments
  - ◆ Coordinated development of fabrication and testing practices per customer and government specification concerning aluminum aircraft wheels, hand forgings, and commercial die forgings.
  - ◆ Managed all quality aspects of incoming aluminum stock: extruded bars and shapes, ingot and plate.
  - ◆ Developed plant forging and processing practices for various new aluminum powder and elevated temperature alloys.

### Organizations

American Society for Materials (ASM) International, Thermal Spray Society (TSS)