



## Curriculum Vitae 1-15-08



### Summary

---

Over forty years of diversified engineering and management experience associated with the design and construction of bulk materials handling systems. Experience includes: Power, Co-Generation, Mining, Aggregates, Coal, Grain, Steel, Aluminum, Minerals Processing, Pulp & Paper, Ports, Fertilizer, Waste Handling, Recycling, Sulfur, Petroleum Coke, Cement etc.

Typical Equipment includes: Belt Conveyors, Steep Angle Conveyors, Bucket Elevators, Screw Conveyors, Drag Conveyors, Dust Collection, Fire Protection Systems, Sampling Systems, Stacking & Reclaim Machines, Rotary Rail Car Dumpers, Shiploaders, Barge Loaders, Ship Unloaders, Barge Unloaders.

Twelve years of this experience has included Forensic Engineering for cases involving: Personal Injury, Conveyor Fires, Guarding, Product Liability, Restraint of Trade, Product Design Evaluation, Code Compliance & Real Estate Asset Appraisal.

### Education

---

- **1966** Certificate Machine Design (4 years evening division), Newark College of Engineering (Now NJIT)
- **1973** B.S. Mechanical Engineering (8 years evening division), Newark College of Engineering (Now NJIT)
- Pi Tau Sigma – National Mechanical Engineering Honor Fraternity
- Engineering Management – Courses, Newark College of Engineering
- MBA – Courses, Fairleigh Dickenson University
- Oil from Tar Sands, Continuing Education
- Bin Flow, Jenike & Johansen, Continuing Education
- **1989** Effective Public Speaking, Continuing Education
- **1999** Engineer's & Surveyor's Role as an Expert Witness in Civil Litigation, Steensland Center
- **2000** Expert Witness Workshop, Houston Engineering & Scientific Society, Rosalie Hamilton
- **2004** Engineering Ethics, CEMA, James W. Mohr Jr., Attorney

- 2006 Product Liability for Engineers, CEMA, James W. Mohr Jr., Attorney

## Professional Engineering Licenses

---

Alabama (20316)  
Louisiana (19737)  
New Jersey (20471)  
North Carolina (031812)  
Pennsylvania (20492)  
Texas (41249)

## Professional Affiliations

---

**CEMA** - Conveyor Equipment Manufacturers Association, First Technical Member, Member of the Conveyor Safety Committee, Committee member for the Revised Chapter 6 and New Technology Chapter of the Conveyor Handbook

**ASME** – American Society of Mechanical Engineers, Materials Handling Engineering Division Executive Committee 1977-1984 & Chairman 1983-1984, Current Member of Committee B20.1 Safety Standards for Conveyors and Related Equipment, Current Member of Committee B15.1 Safety Standard for Mechanical Power Transmission Apparatus, Founding and Current Member of the Houston Materials Handling Chapter

**SME** – Society for Mining, Metallurgy and Exploration, Inc.

**NSC** – National Safety Council

## Professional Experience

---

<b>1991-Date</b>	President, Loeffler Engineering Group
<b>1996-1997</b>	Vice President Engineering, Texm arc Conveyor Company
<b>1989-1991</b>	Regional Manager, Robins Engineers & Constructors / O&K
<b>1988-1989</b>	Marketing Manager, ORBA Corporation
<b>1986-1988</b>	Regional Sales Manager, Jervis B. Webb Company
<b>1984-1986</b>	Manager Sales & Estimating, Plains Machinery Company (Conveying Technology, Inc. Division)
<b>1983-1984</b>	Manager Engineered Systems Estimating, Continental Conveyor Company
<b>1973-1983</b>	Regional Manager, Robins Engineers & Constructors
<b>1973-1973</b>	Staff Engineer Materials Handling, Willis & Paul Company
<b>1972-1973</b>	Project Engineer, Continental Grain Company
<b>1966-1972</b>	Design & Systems Engineer, Hewitt Robins
<b>1962-1966</b>	Chief Draftsman, Bergen Machine & Tool

## Publications Authored or Coauthored and Invited Presentations

---

- Bulk Sampling at Navajo Mine, Coal Age Magazine **1972**
- Automatic Sampling Systems, Catalog & Design Manual **1972**
- High Tonnage Blending of Raw Materials, SME #MS75-657 **1975**
- Belt Conveyor Drives for the Cement Industry, IEEE **1977**
- Shiftable and Overland Conveyors, ASME
- Bed Blending of Fossil Fuels, Coal Technology Conference
- Unit & Bulk Materials Handling, ASME Editor and Conference Chairman
- Shiftable & Overland Conveyors, Skillings Mining Review **December 1980**
- Quality Improvements via Coal Blending, Coal Mining & Processing Magazine
- Pipe Conveyor Systems, Houston Materials Handling Society ASME
- The Advent & Advantages of Pipe Conveyor Systems, MOTEG – South
- Stockpile Blending of Fossil Fuels, Houston Materials Handling Society ASME
- Pipe/Tube Conveyors – A Modern Method of Coal & Ash Transportation, Power Gen 95 **1995**
- Pipe/Tube Conveyors – A Modern Method of Transporting Bulk Materials, Bulk Solids Handling **December 2000**
- Steep Angle Conveying, Houston Materials Handling Society ASME **May 2001**
- Conveyor Safety, Houston Materials Handling Society ASME **February 2007**
- Conveyor Safety, Loesche 10<sup>th</sup> Annual Discussion of the Round Table Symposium **November 2007**

## Contact Information

---

Frank J. Loeffler Jr., P.E.  
Loeffler Engineering Group  
20511 Highland Lake Drive  
Lago Vista, Texas 78645  
Phone (512) 267-8700  
Fax (512) 267-2547  
Cell Phone (512) 963-7600  
Email: [frank@loefflerengineering.com](mailto:frank@loefflerengineering.com)  
Web Site: [www.loefflerengineering.com](http://www.loefflerengineering.com)