
DANA J. MEDLIN, Ph.D., P.E., FASM

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West Coast Address:

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Education:

- **Ph.D., Materials Science Engineering**, University of Nebraska
- **M.S., Mechanical Engineering (Metallurgy Option)**, University of Nebraska
- **B.S., Mechanical Engineering (Metallurgy Option)**, University of Nebraska

Areas of Expertise:

Dr. Medlin has over 25 years of experience leading multidisciplinary failure analysis and design projects in metallurgical and materials science engineering, corrosion engineering and biomedical engineering for a variety of companies and firms. He has testified internationally as a technical expert witness in cases involving medical device, automotive, aerospace, heavy equipment, fire investigations, firearms, ammunitions, and marine applications. Dr. Medlin is a Fellow of ASM-International, a distinguished honor in the field of metallurgical and materials science engineering. He is also a Technical Advisor Member of the Association of Firearm and Tool Mark Examiners (AFTE).

Professional Experience:

- 2015 to present:** **Senior Managing Consultant,**
EAG Laboratories, Inc., *El Segundo, California, and Omaha, Nebraska*
- 2011 to present:** **Adjunct Professor,**
Metallurgical and Materials Engineering Department
South Dakota School of Mines & Technology, *Rapid City, South Dakota*
- 2011 to 2015:** **Senior Managing Consultant,**
Engineering Systems, Inc., *Omaha, Nebraska*
- 2005 to 2011:** **NUCOR Professor,**
Metallurgical and Materials Engineering Department
South Dakota School of Mines & Technology, *Rapid City, South Dakota*
- 2000 to 2005:** **Global Metallurgy & Materials Leader,**
Zimmer, Inc., *Warsaw, Indiana*
- 1998 to 2000:** **Specialist and Principal Engineer,**
The Timken Company, *Canton, Ohio*
- 1997 to 1998:** **Materials Specialist and Supervisor of Analytical Services,**
LTV Steel, *Independence, Ohio*
- 1993 to 1997:** **Research Assistant Professor,**
Metallurgical and Materials Engineering Department
Colorado School of Mines & Technology, *Golden, Colorado*

Honors and Awards:

- Fellow of ASM-International (International Technical Organization)
- Fellow of Alpha Sigma Mu (International Professional Honor Society)
- Technical Advisor Member of the Association of Firearm and Tool Mark Examiners (AFTE)

Publications and Presentations:

- Dr. Medlin has authored more than a hundred technical publications, presentations, patents and edited books.

