



YONI ADONYI

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EDUCATION: Ph. D., Welding Engineering, The Ohio State University (1989)

M. Sc., Welding Engineering, The Ohio State University (1986)
(Transferred one year's credits from the Material Science Graduate Program at Technion, Haifa, Israel. (1985)

B. Sc., Mechanical Engineering, Timishoara Polytechnical Institute, Romania (1976)

CONSULTING EXPERIENCE: 1996-2010

This separate listing follows a topical, rather than chronological order in my Teaching CV.

1. Failure analysis cases:

These experiences consisted of site visits, failure initiation sample removal and fractographic evaluations, supported by Non Destructive Testing (NDT) and Fracture Mechanics calculations.

- a. Trinity Industries, Railcar and Windtower Divisions, Dallas, TX
- b. Lone Star Steel, Lone Star, TX (currently US Steel Tubular)
- c. EDI Industries, St Louis, MO
- d. Thermatool Corp, East Haven, CT
- e. Global Welding, Sao Paulo, Brazil
- f. Northwest Pipe, Vancouver, WA

2. Expert witness:

See list of attorneys whom I worked with are listed in Appendix I. These assignments are still confidential, but they use my ferrous metallurgist experience and settled out of court. My activities were related to technical evaluation of facts, opposing party expert opinions, depositions and reporting. Select customers include:

- a. SMI Joists, Hope, AR

- b. Trinity Industries, Marine Division , Baton Rouge, LA
- c. Caterpillar Industries, Peoria, IL
- d. EXCEL Machinery, Amarillo, TX
- e. SEAL Corporation, Tyler, TX

3. Manufacturing process/material/design optimization:

These jobs built on my 11 years of manufacturing experience, where design reviews, Welding Procedure and Performance qualifications had to be written (PQR and WPS) following diverse standards and customer specifications. A list of past and current customers follows.

- a. Square D, Lincoln, NE
- b. Lone Star Steel, Lone Star, TX
- c. American Institute for Steel Construction, Chicago, IL
- d. Primex Industries, IL
- e. Beaird Industries, Shreveport, LA
- f. Morgan Construction, IN
- g. Ultra Violet Devices, Valencia, CA
- h. ESAB Welding and Cutting, Florence, SC
- i. Northwest Pipe, Vancouver, WA
- j. AKT, Applied Materials, San Jose, CA
- k. General Dynamics, Garland, TX
- l. DRS Communications, New Haven, CT

4. Training/short courses:

These courses were tailored to specific materials, designs and processes, lasted 1-2 days and were in response of or follow-up of failures or weld quality problems. Sometimes courses were requested in advance of changes in designs or manufacturing practices or overall Quality Improvement. Typical on-site course schedule is shown. Customers included:

- a. LeTourneau Technologies, Longview, TX
- b. US Steel Europe, Kosice, Slovakia
- c. AKT Materials, San Jose, CA
- d. Thermatool, East Haven, CT
- e. NKT Steel, Pucket, Thailand
- f. Polytech Montpellier, Nîmes Campus, France
- g. VSL, Forth Worth, TX

Overall, there has always been an overlap among these experiences, especially between trouble-shooting and follow-up training and continuous improvement.

APPENDIX I Attorneys Who Worked with me as Expert Witness

Please find below a list of attorneys I have worked with during the past decade as a Welding Engineering Consultant, in a chronological order. I have not talked to them since our joint work, so feel free to pick and call any of them for reference. Note that I left for Europe on a Sabbatical leave in 2006 and have not solicited any Expert Witness jobs since I've returned to the US. However, with my upcoming early retirement next year, I would like to pursue these assignments again.

Victor Anderson or Frank Cain
Shannon, Gracey, Ratcliff and Miller
777 Main Street, Suite 3800
Ft. Worth, TX 76102
817-882-7614

(2001, Welded Joist Roof Collapse)

Peter Hilbert
Sher Garner, Cahill, Richter, Klein, McAlister, Hollert, LLC
909 Poydras Street
New Orleans, LA 70112
504-299-2120

(2003, Trinity Inc Barge Weld Quality)

Johnny Merritt
Mullin, Hoard and Brown
500 South Taylor Street, Suite 800
Amarillo, TX 79101
806-371-6217

(2003, Excel Machinery Failure)

Ted Williams
Mayer, Brown, Rowe and Mow
71 S. Wacker Drive
Chicago, Il 60606
312-701-7711

(2005, Caterpillar vs. USINOR)

Rodney Alves
Mannatt Jones Global Strategies
11355 Olympic Blvd
Los Angeles, CA90064
310-312-4204

(2006, Global Welding Brazil Patent)

OTHER PROFESSIONAL ACTIVITIES/AWARDS

- American Welding Society (AWS), Member since 1983
 - Technical Papers Committee (TPC), Principal Reviewer since 1997, Poster Committee Chair, Vice Chair of TPC 2002-2005
 - B.5 Qualification Committee Member, Certified Welding Inspector (CWI),
 - East Texas Section Chairman (1999-2002)
 - US Vice Delegate at the International Institute of Welding, Commission XIV, Education

- **Professional Engineer, State of Texas, since 1997**

- Consultant since 1996 to: Square D, EDI, UltraViolet Devices, Primex Technologies, Morgan Constructions, Beaird Industries, Lone Star Steel Company, SMI Joists, LeTourneau Inc, Trinity Industries, Railcar Division, Thermatool Corporation

- Member, International Board of Trustees, Samara State University, Russian Federation

- Co-author, Patent on Weld Repair of H-13 Tool Steel Mandrel Bar for Seamless Tube

- Award for Excellence in Oral Presentation, 1991, Society for Automotive Engineers (SAE)

- Omer Blodgett Endowed Chair Award, 1998, LeTourneau University

- Adams Memorial Membership Award, 1999, American Welding Society (AWS)

- Award for Best Paper in Session, 2001, 43rd Annual Conference, Iron and Steel Society (ISS)