

**YONI ADONYI, PhD, PE**  
**Consulting and Forensic Engineer**  
**Metallurgy/Weld Failure Analysis**  
**System Engineering And Laboratories (SEAL)**

**EDUCATION**

Ph.D., Welding Engineering, The Ohio State University, 1989  
Master of Science, Welding Engineering, The Ohio State University, 1986  
Bachelor of Science, Mechanical Engineering,  
Timisoara Polytechnical Institute, Romania, 1976

**CERTIFICATIONS**

P.E., Professional Engineer, Texas  
Certified Welding Inspector

**PROFESSIONAL MEMBERSHIPS**

ASW, American Welding Society

**COURSES TAUGHT**

**LeTourneau University, Longview, Texas:**

Welding Engineering, Welding Design, Non-Destructive Evaluation, Welding Metallurgy,  
Welding Methods, High -Performance Steels, Brazing.

**Carnegie Mellon University, Department of Materials Science:** Joining of Materials

**ADDITIONAL EDUCATION**

Graduate Studies, Material Science and Engineering, Technion University, Haifa, Israel, 1984 - 1985

**RESEARCH, PUBLICATIONS & ACTIVITIES**

Welding of High Performance Steel, Brazing of Powder-Metallurgy Contacts, Welding Failure and Structural Analysis of Ferrous Alloy, High-Speed Welding of Light-Gauge Tin-Coated Sheet Metal, Laser Weldability of Automotive Grade Sheet Metal, Hydrogen-Induced Cracking in Plate and Tubular Products for Offshore Platforms, Behavior of Organic Coatings During Welding, Resistance-Seam Weldability of New Coated Products for Automotive Applications, Failure Analysis and Weld Repair of Critical Components in Steel Mills, Buried-Arc GTA Welding, Arc Plasma-to-Molten Pool Interaction as Applied to Austenitic Stainless Steels, Metastable Beta Titanium and Aluminum Alloys, Joining of Steel Sheets for Enameling Applications.

**QUALIFICATIONS**

Aluminum Alloys, Hydrofoils, Gas-Sheilded Arc Welding, Automated Welding Systems, Heat Resistant Pressure Vessel Type Steels, Cryogenic Applications, Failure Analysis in Oil Field Platforms, and Joists

**EXPERIENCE**

2005 - Present Consulting Engineer, System Engineering and Laboratories  
1996 - Present Professor and Omer Blodgett Chair of Welding and Materials Joining Engineering,  
LeTourneau University, Longview, TX  
1995 - Present Adjunct Associate Professor, CMU, Department of Material Science and Engineering, Pittsburgh, PA  
1994 - 1996 Research Manager, Materials Technology Group, United States Steel Group,  
Research/Corporate Tech Center, a Unit of USX Corporation, Monroeville, PA  
1989 - 1994 Research Engineer and Associate Reserach Consultant, United States Steel Group,  
Research/Corporate Tech Center, a Unit of USX Corporation, Monroeville, PA  
1985 - 1989 Graduate Research Associate, Department of Welding Engineering, The Ohio State Univ., Columbus, OH  
1981 - 1985 Development Welding Engineer, Isreali Military Industries, Haifa, Israel  
1980 - 1981 Manufacturing Welding Engineer, Israeli Shipyards, Haifa, Israel  
1976 - 1980 Production Welding Engineer, Grivitza Rosie Plant for Petrochemical Equipment, Bucharest, Romania

