

FORCON INTERNATIONAL

EDWARD S. GEORGE, P.E., C.W.I.

SUMMARY

Mr. George is a qualified Professional Engineer and Certified Welding Inspector whose extensive experience covers a number of areas in the field of failure analysis involving a variety of products, components, and materials utilized in both industrial and consumer applications. In addition to proficiency in the inspection and failure analysis of building materials and components, he is familiar with destructive and non-destructive testing techniques and procedures, as well as microscopic analysis techniques, digital imagery, and material thermal processing and procedures. As a Certified Welding Inspector, Mr. George is experienced in inspections of welded and bolted products. He is also a qualified technical expert in criminal and civil courts, with extensive deposition and trial experience.

EDUCATION

University of Florida, Bachelor of Science in Materials Science and Engineering, 1988
University of Florida, Master of Science in Materials Science and Engineering, 1998

PROFESSIONAL REGISTRATIONS & CERTIFICATIONS

Registered Professional Engineer in the following States:

- Florida # 51375

Certified Welding Inspector: C.W.I., AWS #07060051

CONTINUING EDUCATION

Certifications and Courses completed in the following areas:

- Fractography presented by the Materials Engineering Institute of ASM International, March 2005.
- National Seminar on Fire Analysis Litigation presented by the National Association of Fire Investigators.
- General Topics in Forensic Engineering, presented by the National Academy of Forensic Engineers, January 2002.
- Codes, Standards & Government Regulations, presented by the National Academy of Forensic Engineers, January 2002.
- National Advanced Fire, Arson, and Explosion Investigation Science and Technology Seminar presented by the National Association of Fire Investigators, March 2001.
- Threaded Fasteners and The Bolted Joint presented by The Society of Automotive Engineer, October 2000.

PROFESSIONAL ASSOCIATIONS/MEMBERSHIPS

National Academy of Forensic Engineers
National Society of Professional Engineers
Florida Engineering Society
American Welding Society
International Society for Fall Protection
Steering Committee First Coast Technical Institute Applied Welding Program
Executive Board Learn to Read Program St John's County, Florida
City Commissioner St. Augustine Beach, Florida (2002 to 2010)
Mayor City Commissioner St. Augustine Beach, Florida (2007)

CAREER HISTORY

FORCON INTERNATIONAL

FORCON International – Independent Metallurgical & Materials Engineer Consultant

Conducting forensic engineering evaluations and investigations and providing expert witness services to include, but not limited to failure analysis involving a variety of products, components, materials utilized in both industrial and consumer applications and the inspection and failure analysis of building materials.

E&S Consulting, St. Augustine, FL – President, Principal Investigator, Forensic Science and Materials Failure Analysis, Quality Assurance Manager of Materials Analysis Department

PEARL Enterprises and Research LLC – Vice President, Project Engineer, Quality Control and Quality Assurance, Welding Inspection and Non-Destructive Evaluation

MACTEC, Jacksonville, FL – Project Engineer, Forensic Science Engineer, Certified Welding Inspector

Product Liability Consultants, Inc., Gainesville, FL – Senior Materials Science Engineer, Forensic Science and Materials Failure Analysis

Partek Laboratories Incorporated, Houma, LA – Thermal Processing Supervisor/Staff Metallurgical Engineer

Department of Materials Science and Engineering, University of Florida, Gainesville, FL – Metallurgical Laboratory Technician/Data Acquisition Technician

Corrosion Engineering Consulting, Gainesville, FL – Metallurgical Laboratory Technician

Metal Fabrication Bellows Corporation, Ormond Beach, FL – Metallurgical Laboratory Technician and Visual Inspector, Quality Assurance Department

PRESENTATIONS/PUBLICATIONS

Effect of Plasma Markings on the Fatigue Behavior in Steel (FDOT Project), Published in “*Journal of Materials in Civil Engineering*” Volume 28, Issue 9; September 2016 (Co-Authored).

Forensic Engineering Testing of a Chain That Failed, Published in “*Journal of the National Academy of Forensic Engineers*” Volume XXVIII, Number 2; December 2011.

Fire Damage Remediation of a Steel Box Aerial Guideway Girder on Miami-Dade Transit’s Metrorail System, Presented at the “*2007 World Steel Bridge Symposium & Workshop*”; December 6, 2008 New Orleans, LA.

Corrosion Rate Comparison of Cast Versus Wrought Parts Used in the RO Process., Published in “*Ultrapure Water*” Volume 21, Number 8; November 2004.

Forensic Engineering Analysis of Skylight Failures, Published in “*Journal of the National Academy of Forensic Engineers*” Volume XX, Number 2; December 2003.

Thermal Profiles Measured During Casting of a Steel Hammer, Published in “*Modeling and Control of Casting and Welding Processes IV*” 1988.