

# ATA Associates, Inc.



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## APRIL YERGIN

### *Qualification Summary*

#### **AREAS OF SPECIALIZED EXPERTISE**

Accident Reconstruction	Photo/Videogrammetry
Nighttime Visibility Testing	Simulation Tools
Electronic Data Recovery	3d Visualization Tools
Human Factors	

#### **ACADEMIC BACKGROUND**

Accident Reconstruction Studies, Northwestern University Traffic Institute, Evanston, Illinois, 1997

B.A., Russian Studies, University of Southern Maine, Portland, ME, 1993

B.S., Aeronautical Engineering Technology, Arizona State University, Tempe, AZ, 1986

#### **PROFESSIONAL WORK HISTORY**

11/99 – Present	<b>ATA Associates, Inc.</b> , Houston, TX Accident Reconstructionist/ Technical Analyst
1997 – 1999	<b>Thomas L. Bohan &amp; Associates</b> Patent Drafter/Paralegal (part-time)
1994 – 1999	<b>Medical &amp; Technical Consultants</b> Accident Reconstruction/Research Associate/Technical Writer
1992 – 1993	<b>University of Southern Maine &amp; Portland Middle School System</b> Language Computer Program Developer
1991 – 1992	<b>University of Southern Maine</b> , Portland, ME Associate Editor/Translator of Russian language news papers
1984 – 1990	<b>Angeletti Market Research</b> , Phoenix & Tucson, AZ Field Representative

## REPRESENTATIVE TEST & INVESTIGATION EXPERIENCE

- Low illumination evaluation of retroreflective materials on tractor trailers
- Scene specific environmental evaluation under low illumination conditions
- Low Lux video camera and still camera studies
- Light Filament Analysis
- Vehicle Inspections/ Crush Analysis
- Computer Simulation Software
- Low-Speed Passenger Vehicle Crash Testing
- Motorcycle Crash Testing
- Vehicle Turn Testing
- Braking and acceleration testing of passenger vehicles, heavy trucks, city busses, light rail trains, and boats
- Instrumentation of vehicles, boats, and ski jets
- Line-of-sight testing
- Human subject perception/response testing
- Pleasure Boat Dynamic Testing
- Bicycle Testing
- Instrumentation using agricultural GPS, VBox, VC3000
- modeling and analysis
- Surveillance Videogrammetry

## INVITED PRESENTATIONS

- **Texas DPS Challenge**, Volunteer Event Documenter, June 20-23, 2016, Corpus Christi, TX
- **Association of Plaintiff Interstate Trucking Lawyers of America (APITLA)**, Invited Speaker, “Mining The Data Field in 2016,” May 17, 2016, St. Augustine, FL, “Autonomous Vehicles,” May 19, 2017, Tampa, FL
- **Rockwall County BenchBar Conference**, Guest Speaker, “Accident Reconstruction Electronic Data Onboard,” Apr 17, 2015, Rockwall, TX
- **International Association of Legal Medicine (IALM)**, Workshop organizer and presenter on “Computer Simulation Programs,” July 4, 2012, Istanbul, Turkey
- **AIR BP**, Guest Speaker, “Heavy Truck and Automobile ECM Download,” February 19, 2008, Dallas, TX
- **Transportation Club of Houston (TCH)**, Guest Speaker, “Integrated Battlefield,” April 3, 2007, Houston, TX
- **Houston Council of Safety Professionals (HCSP)**, Guest Speaker, “Advanced Scene Investigation,” February 9, 2007, Houston, TX.
- **Transportation Intermediaries Association**, Guest Speaker, “Accident Reconstruction Techniques,” September 19, 20, 2005, Tucson, AZ.
- **Texas Motor Transportation Association (TMTA)**, Guest Speaker, “Case Study in Accident Reconstruction,” August 17, 2005, Houston, TX.

- **Deer Valley High School**, Guest Lecturer to Physics classes on the topic of Accident Reconstruction, 2004, 2005, Phoenix, AZ.
- **Law Enforcement Outreach Program**, Provide training to League City Police Department and Texas DPS officers, in the use of accident reconstruction simulation programs, 2003, 2004, Houston, TX.
- **Austin Council of Safety Professionals**, Guest Speaker, “Accident Reconstruction Techniques,” January 14, 2004, Pflugerville, TX.
- **American Academy of Forensic Sciences Annual Conference**, Speaker, “Did the Crash-And-Burn Kill Them or Were They Murdered?: The Costs of a Botched Investigation,” February 2001, Seattle, WA
- **Society of Automotive Engineers**, Speaker, “Computer-Generated Trial Exhibits: A Post-Daubert Review,” March 1999, Detroit, MI

### **CONTINUING EDUCATION**

- Operation Lifesaver Volunteer Training, May 31, 2017, Houston, Tx
- (Annual) ARC/CSI Crash Training Conference, Las Vegas, NV, 2003, 2005, 2006, 2007, 2009, 2010, 2014, 2016
- (Annual) CDR User’s Group Conference and Training, Houston, Texas, 2006, 2007, 2008, 2009, 2010, 2012, 2015, 2017
- (Annual) Conference of the American Academy of Forensic Sciences (AAFS): 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999: Engineering Science section co-program committee, 2006, Co-Author; 2000: Moderator, Engineering Sciences Section, 1999
- IAAI 2011 Training conference on Fire Investigation, 1 week course, Las Vegas, Nevada, 5/2 – 5/6, 2011
- United States Power Squadrons America’s Boating 2 day Course, 5/10-11, 2013
- Heavy Vehicle Crash Reconstruction, Ocean City, Maryland, 10/7-9, 2009
- CDR Data Retrieval and Data Analyst Course, Fort Worth, Texas, 10/20-24/2008
- Certified CAT Electronic Technician, Houston, Texas, October 25, 2006
- Certified Data Extraction, Detroit Diesel Data Download Training, Detroit, MI, October 24-26, 2005
- Crash Data Retrieval System Operator’s Certification Course, Phoenix, AZ, July, 2004
- Crash Testing and Seminar, Southwestern Association of Technical Accident Investigators (SATAI), Phoenix, AZ, July, 2004

- Texas Association of Accident Reconstruction Specialists (TAARS) Fall Seminar, Houston, TX, Sept. 20, 21, 2002, Annual Meeting, Beaumont, TX, June 20-22, 2003
- Louisiana State Private Investigator Course (40 hours), Louisiana State University Law Enforcement Training Program, Baton Rouge, LA, Dec. 3-7, 2001
- PC Crash Advanced Training Seminar, Vancouver, B.C., Aug. 30-31, 2001
- WREX 2000 – Week long Accident Reconstruction seminar and crash testing held in College Station, Texas, Sept 25-29, 2000
- Texas Association of Accident Reconstruction Specialists (TAARS) Mid-Winter Seminar, Houston, TX, Mar. 17-18, 2000
- Society of Automotive Engineers (SAE) Annual Congress in Detroit. MI Attendance: 1998, 1999, 2000
- PC Crash Training Seminar, Detroit, MI, Mar. 7-10, 2000, Training Course Update, Vancouver, 2002.
- VC2000 Seminar (accelerometer instrumentation), San Antonio, TX, Feb. 16-17, 2000
- Crash Testing and Seminar, Southwestern Association of Technical Accident Investigators (SATAI), Phoenix, AZ, July, 1999, July 2004
- International Association of Accident Reconstruction Specialists (IAARS), 1 week conference and course, Boston, MA, 1998
- Northwestern University Traffic Institute, Evanston, Illinois, 1997
- Southwest Association of Technical Accident Investigators 1 week crash course (SATAI), Phoenix, AZ, 1996

## **PUBLICATIONS**

A. Yergin, “Best Practices For Truck Accident Reconstruction Essentials,” *The Steering Wheel*, Vol 73, Number 2, Winter 2008-2009, pp. 45-47.

T.L. Bohan and A.A. Yergin, “Did the Crash-And-Burn Kill Them or Were They Murdered?: The Costs of a Botched Investigation,” published in the AAFS Proceedings and presented at the 2001 Annual Meeting of the American Academy of Forensic Sciences.

T.L. Bohan and A.A. Yergin, “Computer-Generated Trial Exhibits: A Post-Daubert Review,” SAE Technical Paper 1999-01-0101, Society of Automotive Engineers, Inc., Warrendale, PA, 1999.

Publication of instructional videos for the trucking community published by Codega LLC, Content Reviewer

Staff Assistant on a two volume publication: Thomas L. Bohan, Arthur C. Damask, Editors, Forensic Accident Investigation: Motor Vehicles, Michie Butterworth Law

Publishers, 1995, 1997.

### **LICENSE, CERTIFICATES & ACCREDITATIONS**

Texas Parks and Wildlife Department Boater Education Course, certification date 5/11/2013

Texas Commission on Private Security, Private Investigator, License #000003584

Louisiana State Board of Private Investigators

Accredited Traffic Accident Reconstructionist (ACTAR), 1998, Registration #888

Traffic Accident Reconstruction, 1997

Traffic Accident Investigation, 1997

### **PROFESSIONAL MEMBERSHIPS & ASSOCIATIONS (Present and Past)**

Personal memberships:

National Boating Federation

Boat Owners Association of the United States

Human Factors and Ergonomics Society

Society of Automotive Engineers

ARC Network-CSI

National Association of Professional Accident Reconstruction Specialists (NAPARS)

American Academy of Forensic Sciences

International Association of Arson Investigators, IAAI

ATA Associates company memberships:

Transportation Research Board (TRB)

Nation Academy of Science

Texas Association of Accident Reconstruction Specialists (TAARS)

American Trucking Association

National Association State Boating Law Administration (NASBLA)

National Boating Federation (NBF)

National Fire Protection Association

National Safe Boating Council (NSBC)

Houston Council of Safety Professionals (HCSP)

Houston Community College Truck Driving School

Houston Galveston Area Council

Texas Transportation Association (TXTA)

American Boat and Yacht Council (ABYC)

**Resumes are changing documents. Please contact ATA Associates, Inc. for updated information.**

**07/2017**