



## CURRICULUM VITAE

---

**Robert C. Andrews, Jr.,** P.E., B.Sc., M.Sc., FIFireE, PMSFPE, EFO, CFO (ret), MloD  
Founder  
President & CEO  
Principal Fire Protection Engineer  
Principal Rail Consultant

---

### Education

Admitted – 2021 Cohort	<b>Doctor of Business Administration (DBA)</b> Fox School of Business Temple University Philadelphia, Pennsylvania
2008	<b>Certificate Course in Railway Management (RMP)</b> Michigan State University East Lansing, Michigan
2002	<b>Master of Science – Executive Fire Service Leadership (M.Sc.)</b> Grand Canyon University Phoenix, Arizona
2002	<b>Executive Fire Officer Program (EFO)</b> National Fire Academy Emmitsburg, Maryland (Residency requirements completed 1988 – 1991)
1980	<b>Bachelor of Science – Fire Protection Engineering (B.Sc.)</b> University of Maryland College Park, Maryland

---

## Professional Experience

- Jul. 2019 – Present            **Executive Rail**, a division of  
The Catalpa Falls Group, LLC  
San Antonio, Texas
- Jul. 2019 – Present            President*
- Mar. 1985 – Present           **Protection Development, Incorporated**  
San Antonio, Texas
- Nov. 2004 – Present           President & Chief Executive Officer  
Principal Fire Protection Engineer  
Principal Rail Consultant (added 2009)*
- Sept. 2001 – Nov. 2004       Managing Partner (added to existing responsibilities)*
- Mar. 1985 – Sept. 2001       Founding Partner, Fire Protection Engineer, Vice President  
& Corporate Secretary*
- Jan. 2018 – Aug. 2018       **Ryan Gallik & Associates, L.L.C.**  
Emergency Services Occupational Safety, Health,  
and Wellness Consultants  
Orlando, Florida
- Member & Manager*
- Apr. 2005 – Present           **Bob Andrews Group, L.L.C.**  
San Antonio, Texas
- Owner, President & CEO*
- Sept. 2003 – Present         **The Catalpa Falls Group, L.L.C.**  
San Antonio, Texas
- Member and Managing Partner*
- Mar. 1999 – Jan. 2013       **Industrial Emergency Services, L.L.C.**  
Baton Rouge, Louisiana
- Mar. 2012 – Jan. 2013       Member – Board of Managers &  
Fire Chief Emeritus*

*Jan. 2010 – Mar. 2012*      *Chief Executive Officer &  
Fire Chief Emeritus*

*Mar. 1999 – Dec. 2009*      *President & Fire Chief  
Founder*

Jan. 1986 – Mar. 1999      **Refinery Terminal Fire Company**  
Corpus Christi, Texas  
  
*Vice President (General Manager) & Fire Chief*

Jan. 1982 – Dec. 1985      **Celanese Chemical Company**  
Bishop, Texas  
  
*Fire Protection Engineer*

Dec. 1980 – Dec. 1981      **Marathon Oil Company**  
Findlay, Ohio  
  
*Associate Risk Engineer*

Summer Internships

1980      **Phoenix Fire Department**  
Phoenix, Arizona  
  
Fire Protection Engineer – Intern

1977, 1978 & 1979      **Factory Mutual Engineering Association**  
Philadelphia, Pennsylvania  
  
*Loss Prevention Engineer – Intern*

## **Concurrent Public Safety (Community Service) Experience**

Sept. 2018 – Present      **Bexar County Fire Marshal's Office**  
San Antonio, Texas  
  
*Deputy Fire Marshal (Non-Paid Peace Officer)  
Fire Protection Engineer (Non-Paid)*

May 2017 – Dec 2017      **East Whiteland Volunteer Fire Association**  
Frazer, Pennsylvania  
  
*Associate Member – Administration*

*Member of the Apparatus Committee*

Jan. 1997 – May 2017

**Nueces County Constable's Office – Precinct 2 \***  
Corpus Christi, Texas (\* formerly Precinct 8)

*Master Peace Officer & K-9 Handler*

Jan. 2007 – Mar. 2009

**Nueces County Sheriff's Office**  
Corpus Christi, Texas

*Major – Reserve Unit Commander*

Jan. 2006 – Mar. 2009

**Jim Kaelin [for Nueces County Sheriff] Campaign**  
Corpus Christi, Texas

*Campaign Manager*

Nov. 1990 – Dec. 1997

**Nueces County Constable's Office – Precinct 8**  
Corpus Christi, Texas

*Regular Peace Officer & K-9 Handler (01/02/91 – 01/01/97)*  
*Reserve Officer & K-9 Handler (11/28/90 – 01/02/91)*

Jan. 1990 – Nov. 1990

**Nueces County Sheriff's Office**  
Corpus Christi, Texas

*Reserve Officer (1/22/90 – 11/14/90)*

1987 – 1988

**Nueces County – City of Corpus Christi Local Emergency  
Planning Committee (LEPC)**  
Corpus Christi, Texas

*Co-chairperson*

Aug. 1976 – Dec. 1980

**College Park Volunteer Fire Department**  
College Park, Maryland

*Private, EMT, Chief's Aide, Driver, Sergeant, Lieutenant, Captain,  
and Training Officer*

1976 – 1980

**Maryland Fire & Rescue Institute**  
College Park, Maryland

*Student Assistant*

Sept. 1974 – Dec. 1980

**East Whiteland Volunteer Fire Association**  
Frazer, Pennsylvania

*Firefighter, Emergency Medical Technician (NREMT), Chief's Aide*

## **Boards & Committees (Professional and Charitable)**

July 2017 – July 2018

**Institution of Fire Engineers**  
Stratford-upon-Avon, United Kingdom

*Member of the Centenary Committee*

July 2016 – Present

**National Fire Heritage Center**  
Emmitsburg, Maryland

*Trustee*

April 2016 – Mar 2018

**Institution of Fire Engineers (United Kingdom)  
United States of America Branch**

*Board of Directors – Member-at-Large*

May 2014 – Present

**Rail Industry Fire Association (United Kingdom)**

*USA Advocate*

June 2012 – June 2018

**Abraham Lincoln Foundation of the Union League of  
Philadelphia**  
Philadelphia, Pennsylvania

*Trustee and Member of the Finance Committee and the Art  
Collections Committee*

May 2012 – Present

**Legacy Campaign for a Professor of the Practice**  
Department of Fire Protection Engineering  
A. James Clark School of Engineering  
University of Maryland  
College Park, Maryland

*Co-Chair*

---

## Licenses, Certifications, Professional Societies, and Awards

### Licenses

- 1990\*            **Licensed Peace Officer**  
Texas Commission on Law Enforcement  
\* Inactive as of 10/1/2017 – Reactivated 9/12/2018
- 1985            **Licensed Professional Engineer (P.E.)**  
State Board of Registration for Professional Engineers  
State of Texas (No. 57907)

### Certifications

- 2003 - 2006    **Chief Fire Officer Designation (CFO)\***  
Commission on Chief Fire Officer Designation  
\*currently “retired” status
- 2001            **Master Peace Officer Certificate**  
Texas Commission on Law Enforcement
- 2001            **Instructor Certificate**  
Texas Commission on Law Enforcement

### Professional Engineering & Business Societies

- 2017            **Member (MIoD)**  
Institute of Directors  
London, United Kingdom
- 2016  
2003 – 2016    **Fellow (FIFireE)** – Elected April 2016  
Member (MIFireE) – Elected August 2003  
Institution of Fire Engineers  
Stratford-upon-Avon, United Kingdom
- 2003            **Professional Member (PMSFPE)**  
Society of Fire Protection Engineers  
Bethesda, Maryland  
(Associate Member 1981 – 2003)
- 1979            **Member (and Past President)**  
Salamander Honorary Fire Protection Engineering Society  
Beta Chapter  
University of Maryland  
College Park, Maryland

## Awards

- 2017                   **Life Member**  
National Fire Protection Association  
Quincy, Massachusetts
- “In recognition of a lasting commitment to protecting lives and property from fire, electrical and related hazards, the National Fire Protection Association hereby recognizes you as a Life Member with all of the rights and privileges thereto – June 19, 2017”. Awarded by Jim Pauley, NFPA President & Chief Executive Officer.*
- 2016                   **Dean’s Circle – Inaugurated November 18, 2016**  
A. James Clark School of Engineering  
University of Maryland  
College Park, Maryland
- “The Dean’s Circle is a community of philanthropists whose vision and contributions have empowered the Clark School’s ascent. The A. James Clark School of Engineering and Dean Darryll J. Pines would like to thank and recognize [those] individual donors for their generous support and significant investment in our college.”*
- 2016                   **Appreciation Award (Plaque)**  
Szkoła Główna Służby Pożarniczej (SGSP)  
(Main School of Fire Service)  
Warsaw, Poland
- “In appreciation for cooperation with the POLAND – USA – INFIRENET PROJECT. 1 October 2016”*
- 2003                   **Certificaat Met Lof – Politiehond II**  
Koninklijke Nederlandse Politiehond Vereniging (KNPV)  
(Royal Dutch Policedog Association)
- “...at the examination held in Almere (Netherlands) on 26 July 2003, the K-9 named Bronko with handler R. C. Andrews, Jr. earned a Certificate Policedog II (advanced) Met Lof (with honors) having earned a total of 433 points [out of 455 points possible]”*
- 2003                   **Academic Recognition Award (Medal)**  
Texas Commission on Law Enforcement
- “In acknowledgement of Academic Achievement...”*
- 2002                   **Advanced K-9 Patrol Certificate (with honors)**  
Nueces County Constable Department – Precinct 2
- Awarded to the Patrol K-9 Team of Deputy Robert Andrews and K-9 Bronko*

- 1999                   **Certificate of Appreciation**  
 United States Army Special Operations Command (Delta Force)  
*“your assistance made an immeasurable contribution to the successful accomplishment of all our training objectives....”*
- 1998                   **Certificate of Appreciation**  
 United States Coast Guard  
 MSO Corpus Christi, Texas  
  
*“In appreciation of participating as a guest speaker at the 1<sup>st</sup> Annual South Texas Coastal Zone Marine Fire Fighting Symposium”*
- 1998                   **Appreciation Award (Plaque)**  
 Singapore Civil Defense Force  
 Singapore, Singapore  
  
*“in appreciation for services rendered”*
- 1997                   **Corporate Resolution (Department-wide Commendation)**  
 Refinery Terminal Fire Company  
 Corpus Christi, Texas  
  
*“Whereas, the Refinery Terminal Fire Company employees, who responded to and after the 12 May 1997 CITGO Fire, performed in an exemplary manner during the response and recovery phases; and .... displayed professionalism, energy, strength, bravery, and judgement...”*
- 1996                   **Combat Cross (Medal) & Certificate of Commendation**  
 Nueces County Precinct 8 Constable’s Office  
 Corpus Christi, Texas  
  
*“for outstanding service and contributions to the standoff at Port Aransas, Texas on December 23, 1996, for maintaining a calm professional demeanor, while drawing fire from an armed adversary while attempting to effect an arrest”*
- Related citations also received from:
- Port Aransas (TX) Police Department:  
  
*“...appreciation for the personal effort you made during the shooting incident and subsequent manhunt of December 22-23, 1996 in Port Aransas, Texas. Your dedication to law enforcement and the professionalism you displayed was evident during this armed standoff...”*
- 1996                   **Certificaat – Politiehond II**  
 Koninklijke Nederlandse Politiehond Vereniging (KNPV)  
 (Royal Dutch Policedog Association)  
  
*“...at the examination held in Hilversum (Netherlands) on 26 July 1996, the K-9 named Robby with handler R. C. Andrews, Jr. earned a Certificate Policedog II (advanced) having earned a total of 399 points”*



1995

**Letter of Appreciation**

U. S. Department of Justice  
Federal Bureau of Investigation

*".....along with K-9 Argos... assisted the FBI with the arrest of Carl Sidney Race. ....Race was indicted...on two counts of Deliberate Homicide, two counts of Attempted Homicide and one count of Felony Arson."*

*"The arrest of Race took place without incident. There is no doubt in my mind that a significant reason for the successful outcome was the assistance and professionalism demonstrated by [your deputies]."*

*"Deputy Constables Cox, Marsh, Whitmore, Johnson, and Andrews are not only a credit to your office but are also a credit to law enforcement"*

1993

**Certificate of Service**

Nueces County Precinct 8 Constable's Office  
Corpus Christi, Texas

*"for outstanding service and contributions"*

1993

**Letter of Appreciation**

Department of the Treasury  
U. S. Customs Service

*"....express our appreciation to Deputy Constable Robert Andrews and his K-9 partner Argos, for their dedication, skill, perseverance, and cooperative spirit"*

*"During the periods of June, July, and August of 1993 Deputy Robert Andrews and his partner "Argos" assisted the U.S. Customs Service in targeting and examining commercial vessels in searching for contraband. Their efforts contributed significantly in deterring drug smuggling in South Texas. Deputy Robert Andrews' knowledge, skill, and participation is both noteworthy and appreciated."*

1991

**Certificate of Appreciation – Reserve Deputy of the Year 1991**

Nueces County Precinct 8 Constable's Office  
Corpus Christi, Texas

1990

**Executive Fire Officer Program – 1990 Outstanding Research Award**

National Fire Academy  
Emmitsburg, Maryland

*"A study to determine the feasibility of utilizing the incident command system as adopted by the National Fire Academy for the command and control of resources at emergency incidents at refining and petrochemical facilities in Corpus Christi, Texas."*

1979

**Chief's Award**

College Park Volunteer Fire Department  
College Park, Maryland

- 1978                    **Local Firefighter of the Year Award**  
Jos. Schlitz Brewing Company  
Maryland State Firemen’s Association
- 1977                    **Lifesaving Recognition**  
College Park Volunteer Fire Department  
College Park, Maryland  
“in recognition of his assistance in a successful rescue at a house fire on  
February 4, 1977”
- 

## **Publications, Presentations, Interviews, and Technical Reviews – (a selection)**

### **Publications**

- Andrews, R.C., Jr., Brooks, Paul D., & Laforet, Chris. (2017, November). *Custom Promotional and Recruitment Video*. Institution of Fire Engineers – USA Branch. Produced by Shuttle Release Films. See: <https://www.ife-usa.org/news/entry/institution-of-fire-engineers-usa-branch-promotional-video> [05:09].
- Andrews, R. C., Jr. (2013, February). *Iowa Pacific Holdings, LLC Failed Axle Investigation, Passenger Car “Baton Rouge” – SLRG 9115 – Amtrak 800028* [draft report]. *PDI Rail Project No. R12-041*. San Antonio, TX: PDI Rail Solutions – A Division of Protection Development, Incorporated (Report and Appendices 331 pages).
- Andrews, R. C., Jr. (2012, September 23). *Saratoga & North Creek Railway System Safety Program Plan (In accordance with the American Public Transit Association (APTA) Manual for the Development of System Safety Program Plans for Commuter Railroads (dated May 15, 2006))*. *PDI Rail Project No. R11-011*. San Antonio, TX: PDI Rail Solutions – A Division of Protection Development, Incorporated (48 pages).
- Andrews, R. C., Jr. (2012, July 30). *Saratoga & North Creek Railway Fire Safety Analysis (In Accordance with 49 CFR 238.103(d) “Fire Safety” and APTA RP-PS-005-00 “Recommended Practice for Fire Safety Analysis of Existing Passenger Rail Equipment”)*. *PDI Rail Project No. R11-009*. San Antonio, TX: PDI Rail Solutions – A Division of Protection Development, Incorporated (106 pages).
- Andrews, R. C., Jr. (2012, March 8). *Michigan Department of Transportation Ann Arbor to Detroit Regional Rail Project: Fire Safety Analysis – Revision 1 (In accordance with 29 CFR 238.103(d) “Fire Safety” and APTA RP-PS-005-00 “Recommended Practice for Fire Safety Analysis of Existing Passenger Rail Equipment”)*. *PDI Rail Project No. R11-016*. San Antonio, TX: PDI Rail Solutions – A Division of Protection Development, Incorporated (Report 41 pages with cover. Appendices 229 pages).
- Andrews, R. C., Jr. (2012, February 24). *Saratoga and North Creek Railway Joint Emergency Preparedness Plan – Final (In accordance with 29 CFR 239.101 “Emergency Preparedness Plan”)*. *PDI Rail Project No. R11-009*. San Antonio, TX: PDI Rail Solutions – A Division of Protection Development, Incorporated (70 pages).

- Andrews, R. C., Jr. (2011, September). *Saratoga and North Creek Railway Inspection, Testing, and Maintenance Plan (In Accordance with 49 CFR 238.107 "Inspection, testing, and maintenance plan")* [Draft Report]. PDI Rail Project No. R11-006. San Antonio, TX: PDI Rail Solutions – A Division of Protection Development, Incorporated (118 pages).
- Andrews, R. C., Jr. (2011, August). *Saratoga and North Creek Railway Training, Qualification, and Designation Program (In Accordance with 49 CFR 238.109 "Training, qualification, and designation program")* [Draft Report]. PDI Rail Project No. R11-007. San Antonio, TX: PDI Rail Solutions – A Division of Protection Development, Incorporated.
- Andrews, R. C., Jr. (2011, June 11). *Saratoga and North Creek Railway Pre-Revenue Service Acceptance Testing Plan (In Accordance with 29 CFR 238.111 "Pre-Revenue Service Acceptance Testing Plan")*. PDI Rail Project No. R11-008. San Antonio, TX: PDI Rail Solutions – A Division of Protection Development, Incorporated (3 pages).
- Andrews, R. C., Jr. (2009, December 22). *Rio Grande Scenic ski train: Joint Emergency Preparedness Plan – Revision 1 (In accordance with 29 CFR 239.101 "Emergency Preparedness Plan)*. PDI Rail Project No. R09-004. San Antonio, TX: PDI Rail Solutions – A Division of Protection Development, Incorporated (114 pages).
- Andrews, R. C., Jr., & Payne, G. F. (2009, December 11). *Rio Grande Scenic ski train: Pre-Revenue Service Acceptance Testing Plan – Revision 1 (In accordance with 29 CFR 238.111 "Pre-Revenue Service Acceptance Testing Plan)*. PDI Rail Project No. R09-009. San Antonio, TX: PDI Rail Solutions – A Division of Protection Development, Incorporated (3 pages).
- Andrews, Bob & Payne, George (2007, November / December). The "Chippewa Creek's" Cross-Country Adventure... *Information Exchange*, 25, 1-6. Railroad Passenger Car Alliance.
- Andrews, R. C., Jr. (2006, September 13). *Music City Star Commuter Service: Fire Safety Analysis (In accordance with 49 CFR 238.103(d) "Fire Safety" and APTA RP-PS-005-00 "Recommended Practice for Fire Safety Analysis of Existing Passenger Rail Equipment")* PDI Project No. 06-189. San Antonio, TX: Protection Development, Incorporated (78 pages).
- Andrews, R. C., Jr. (2006, March 18). *On-Site Fire Safety Survey for Marathon E.G. Production Limited (MEGPL), Atlantic Methanol Production Company (AMPCO), and EG Global LNG Services, Limited (EGLNG) – January 18 – 31, 2006 [Bioko Island, Equatorial Guinea]* PDI Project No. 06-017. San Antonio, TX: Protection Development, Incorporated (42 pages).
- Deonarine, L. D. & Andrews, R. C., Jr. (2003, March 31). *Foam Requirements for Fighting Fires in Open-Top, Floating Roof Petroleum Storage Tanks – A report prepared for the Corpus Christi Fire Department*. Corpus Christi, TX: Industrial Emergency Services, L.L.C.
- Andrews, R. C., Jr., Vallone, P. A., & Cochrane, J. R. (2002, August 14). *An independent fire protection & life-safety analysis of the U.S.S. Lexington Museum on the Bay Corpus Christi, Texas*. San Antonio, TX: Cochrane & Associates.
- Andrews, R. C., Jr. (2002, May). *Innovations & challenges in industrial emergency response* [Course Text]. Dammam, Saudi Arabia: Gulf Industrial Emergency Services, Ltd.

- Andrews, R. C., Jr. (2002, January). *Preliminary specifications for a fire response vessel for the Port of Greater Baton Rouge, Louisiana* [draft report]. Corpus Christi, TX: Industrial Emergency Services, L.L.C.
- Andrews, R. C., Jr. (2001, October). *A feasibility study to determine the economics of Industrial Emergency Services, L.L.C. purchasing an existing fire training academy in Axis, Alabama*. Emmitsburg, MD: National Fire Academy.
- Andrews, R. C., Jr. (Ed.) (2001, March). *IES Disaster Prevention Seminar* [Seminar Text]. Corpus Christi, TX: Industrial Emergency Services, L.L.C.
- Andrews, R. C., Jr. (1992, November-December). The environmental impact of firefighting foams. *Industrial Fire Safety*, 1, 26-31.
- Andrews, R. C., Jr. (1992, May). *The environmental impact of firefighting foam concentrates – contemporary management considerations for the chief fire executive*. Emmitsburg, MD: National Fire Academy.
- Andrews, R. C., Jr. (1990, June). *A study to determine the feasibility of utilizing the incident command system as adopted by the National Fire Academy for the command and control of resources at emergency incidents at refining and petrochemical facilities in Corpus Christi, Texas*. Emmitsburg, MD: National Fire Academy.
- Andrews, R. C., Jr. (1989, June). How to document a “save”. *Industrial Fire World*, 4, 19-21.
- Andrews, R. C., Jr. (1985, June). Management for the mid-eighties: how successful fire service leaders are meeting the challenge. *Firehouse*, 10, 98-100+.

## **Presentations**

- Andrews, R.C., Jr. (2020, February 25). *The Refurbishment of Rail Vehicles: Scrap or Keep? – A USA Case Study*. Fire Protection of Rolling Stock 2020. Arena International. Melia Berlin. Berlin, Germany.
- Andrews, R. C., Jr. (2017, March 20). *2016 USA Fire Chief Study Group to Poland – A Report to the Membership*. 2017 Institution of Fire Engineers – USA Branch AGM & Education Conference. Anaheim, CA
- Andrews, R. C., Jr. (2016, September 29). *Use of the ICS System and Mutual Aid in Catastrophic Events*. 2016 USA Fire Chiefs Study Group in Poland – Polish-American Seminar in the INFIRENET Project – Exchange of Experiences. Co-Sponsored by the Institution of Fire Engineers – United States of America Branch and The Main School of Fire Service. Warsaw, Poland.
- Andrews, R. C., Jr. (2014, September 11). *Collaborative, Cost-Shared Emergency Response Programs – The Corpus Christi, Texas USA Cooperative Experience – A Possible Solution for Crude-Oil-by-Rail?* 2014 Alberta Industrial Fire Protection Association, Bi-Annual September Meeting, Calgary, Alberta Canada

- Andrews, R. C., Jr., & Goldwater, S. O. (2014, March 5). *Testimony Before the Commonwealth of Pennsylvania House of Representatives Veterans Affairs and Emergency Preparedness Committee -- Emergency Preparedness and Public Safety Implications for the Transportation of Crude Oil Across the Commonwealth*. Eddystone Fire Company #1, Eddystone, PA
- Andrews, R. C., Jr. (2013, March 21). *Achieving cost effective fire safety in heritage passenger carriages through innovative application of remediation techniques and countermeasures – a US case study*. Fire Protection of Rolling Stock 2013, London, U.K.
- Andrews, R. C., Jr. (2013, January 18). *Progress Report – Failed Axle Investigation “Baton Rouge” SLRG 9115 – 800028*. Railroad Passenger Car Alliance (RPCA) Annual Conference, Buffalo, NY.
- Andrews, R. C., Jr. (2006, March 29). *Oversees Employment – What you always wanted to know?* 2006 Industrial Fire World Conference, Baton Rouge, LA.
- Andrews, R. C., Jr. (2002, May 4). *Innovations & Challenges in Industrial Emergency Response*. A seminar conducted by Gulf Industrial Emergency Services, Ltd., Dhahran, Saudi Arabia.
- Andrews, R. C., Jr., Davis, L.W., & Deonarine, L. G. (2001, August 29-31). *Command Team Retreat for the Houston (TX) Fire Department*. A management retreat facilitated by Industrial Emergency Services, L.L.C., Kemah, TX.
- Andrews, R.C., Jr. (2001, March 23). *If we don't learn from our past mistakes, we are destined to repeat them*. IES Disaster Prevention Seminar. Symposium conducted by Industrial Emergency Services, L.L.C. in cooperation with the St. James Mutual Aid Organization, Baton Rouge, LA.
- Andrews, R. C., Jr. (1998, April 20-22). *Live fire training & simulators for today's industrial fire teams*. Industrial Fire Journal Singapore Conference. Symposium sponsored by Industrial Fire Journal, Singapore, Singapore.
- Andrews, R. C., Jr. & White, D. (1992, September 17-19). *Industrial Fire Brigade & Fire Department Interface*. IMS Seminar – Issues...Ideas...& Making IMS Work. Symposium hosted by the Phoenix Fire Department, Phoenix, AZ.
- Andrews, R. C., Jr. (1991, May 13-15). *Organization for Emergency Response*. Second International Oil and Petrochemical Forum. Sponsored by Angus Fire, Reims, France.

## **Interviews**

- Nowlin, S. (2014, July 17). Five Minutes with Bob Andrews, CEO of the Bob Andrews Group. San Antonio Business Journal.
- Walters, P. (2001, August). Entrepreneur profile – Bob Andrews, President and Fire Chief, Industrial Emergency Services, L.L.C., *Business & Industry Connection*, 18, 20.
- Turnbull, A. (2000, June). Outsourcing Fire Response to Industry – The IFJ Interview. IFJ editor Aidan Turnbull interviews IES Fire Chief Bob Andrews about the current US trend in the privatization of industrial fire brigades. *Industrial Fire Journal*, 39, 43-45.

Turnbull, A. (1997, December – January). Texas Refinery Special – IFJ talks to Fire Chief Andrews about the role of the Refinery Terminal Fire Company at Corpus Christi, Texas, USA, in fighting storage tank fires. *Industrial Fire Journal*, 25, 42-44

## Technical Reviews

Noll, G. G., Hildebrand, M. S., & Yvorra, J. (2005). *Hazardous Materials: Managing the Incident (Third Edition)*. Chester, MD: Red Hat Publishing Company, Inc.

Brunacini, A. V., (2002). *Fire Command – Second Edition*. Quincy, MA: National Fire Protection Association.

Emergency Film Group (Producer). (1997). *Petroleum Storage Tanks*. [Motion picture]. (Available from Emergency Film Group, 140 Cooke Street, Edgartown, MA 02539-1928).

Hildebrand, M.S., & Noll, G. G. (1997). *Storage Tank Emergencies*. Annapolis, MD: Red Hat Publishing.

Hildebrand, M. S., Noll, G. G., & Yvorra, J. G. (1995). *Hazardous Materials: Managing the Incident (Second Edition)*. Stillwater, OK: Fire Protection Publications.

---

## Courses & Conferences Attended (a selection)

Feb. 2020 *Fire Protection of Rolling Stock 2020*. Arena International. Melia Berlin. Berlin, Germany. February 25-26, 2020.

Dec. 2019 *2019 Passenger Rail Seminar*. Washington, D.C. Federal Bar Association. November 15, 2019.

Jul. 2017 *Annual General Meeting and International Conference “Learning lessons, sharing knowledge, saving lives, reducing losses”*. Manchester, U.K. Institution of Fire Engineers. July 11-12, 2017

Mar. 2017 *2017 Annual General Meeting and Education Conference*. Anaheim, CA. Institution of Fire Engineers – USA Branch. March 20, 2017

Mar. 2017 *Fire Protection of Rolling Stock – Berlin, Germany*. Arena International. March 1-2, 2017

Sep. 2016 *2016 USA Fire Chiefs Study Group in Poland – Polish-American Seminar in the INFIRENET Project – Exchange of Experiences*. – Warsaw, Poland. Co-Sponsored by the Institution of Fire Engineers – United States of America Branch and The Main School of Fire Service [Poland]. September 26 – October 5, 2016.

- Jul. 2016 *Annual General Meeting and International Conference “Fire Engineering’s Contribution to World Cities”*. – The Guildhall, London, U.K. Institution of Fire Engineers. July 27-28, 2016
- Feb. 2015 *NFPA 13 Installation of Sprinkler Systems Seminar* – Houston, TX. National Fire Protection Association. February 23-25, 2015
- Sep. 2014 *Alberta Industrial Fire Protection Association Bi-Annual September Meeting* – Calgary, Alberta Canada. September 10-11, 2014
- Jun. 2014 *Crude by Rail Conference & Expo* – Arlington, VA. Railway Age Magazine. June 12-13, 2014
- Mar. 2013 *Fire Protection of Rolling Stock* – London, U.K. Arena International. March 21-22, 2013
- Jun. 2013 *2013 APTA Rail Conference* – Philadelphia, PA. American Public Transportation Association. June 2-5, 2013
- Nov. 2012 *Railway & Mass Transit Interiors Technology and Design Expo* – Boston, MA. October 24-26, 2012.
- Mar. 2012 *Fire Protection of Rolling Stock* – Brussels, Belgium. Arena International. March 21-22, 2012
- Oct. 2011 *18<sup>th</sup> Annual Conference Passenger Trains on Freight Railroads* – Washington, D.C. Railway Age Magazine. October 24-25, 2011.
- Nov. 2011 *Railway Interiors Expo* – Cologne, Germany. November 15-17, 2011
- Oct. 2009 *16<sup>th</sup> Annual Conference Passenger Trains on Freight Railroads* – Washington, D.C. Railway Age Magazine. October 19-20, 2009
- Nov. 2008 *Railway Interiors Expo* – Amsterdam, Netherlands. November 4-6, 2008

## Memberships

International Association of Fire Chiefs (Life Member)  
 Institution of Fire Engineers (International & USA Branch)  
 Society of Fire Protection Engineers  
 Texas Fire Protection Association  
 National Fire Protection Association (Life Member)  
 Texas Fire Chiefs Association  
 Fire Department Safety Officers Association

Koninklijke Nederlandse Politiehond Vereniging (KNPV)  
(Royal Dutch Policedog Association)

PHDC Eemland – Baarn, The Netherlands  
(KNPV Policedog Training Club in Region Utrecht)

National Police Canine Association

National Narcotic Detector Dog Association

Railroad Passenger Car Alliance (RPCA)

Rail Industry Fire Association (RIFA)

The Union League of Philadelphia

The Petroleum Club of San Antonio

The Institute of Directors, London

University of Maryland Alumni Association (Life Member)

Dean's Circle – A. James Clark School of Engineering  
University of Maryland, College Park, Maryland