



**Unified**  
Investigations & Sciences, Inc.



## Ohio Service Center

**Robert L. Marihugh, IAAI-CFI**  
*Senior Investigator*

Columbus, Ohio  
614-430-0813

**EDUCATION:** National Fire Academy  
Emmitsburg, Maryland  
Executive Fire Officer Program  
Graduated in 1994

Attended University of Cincinnati  
Fire Science Program

Defiance High School  
Defiance, Ohio  
Graduated in 1963

**EMPLOYMENT:** Unified Investigations & Sciences, Inc.  
Columbus, Ohio  
Senior Investigator  
September 2006 to Present

MJM Investigations, Inc.  
Defiance, Ohio  
Fire Investigator  
September 2004 – August 2006

Investigative Resources Global  
Defiance, Ohio  
Fire Consultant  
1999 – 2004

## **EMPLOYMENT (CONTINUED):**

City of Defiance  
Defiance, Ohio  
1968 – 1999  
Retired as Fire Chief of 20 years

United States Air Force  
Fire Protection Specialist  
1964 – 1968

Schultz Plumbing & Heating  
Mechanical Contractor  
1959 – 1963 & 1968-1981

## **SPECIALIZED TRAINING:**

- Arc Mapping Basics, CFITrainer.net, September 2009, 4 hours - Tested
- Effective Investigations and Testimony, CFITrainer.net, September 2009, 3 hours - Tested
- The Scientific Method for Fire and Explosion Investigation, CFITrainer.net, September 2009, 4 hours - Tested
- Motive, Means and Opportunity, Determining Responsibility in an Arson Case, CFITrainer.net, September 2009, 4 hours - Tested
- Residential Electricity for Fire Investigators, Fire Findings, April 2009, 16 hours - Tested
- Postflashover Fires, CFITrainer.net, March 2009, 4 hours - Tested
- Vacant and Abandoned Buildings: Hazards and Solutions, CFITrainer.net, 4 hours - Tested
- Critical Thinking Solves Cases, CFITrainer.net, March 2009, 4 hours - Tested
- Physical Evidence at the Fire Scene, CFITrainer.net, March 2009, 4 hours - Tested
- Investigating Fatal Fires, CFITrainer.net, March 2009, 4 hours - Tested
- Fire & Explosion Investigations, CFITrainer.net, March 2009, 4 hours - Tested
- Understanding Fire Through the Candle Experiments, CFITrainer.net, March 2009, 4 hours - Tested

## **SPECIALIZED TRAINING (CONTINUED):**

- Documenting the Event, CFITrainer.net, March 2009, 4 hours - Tested
- Insurance Fraud Seminar, National Society of Professional Insurance Investigators, March 2009, 6 hours
- Arson Detection, Northwest Ohio Arson Seminar, September 2008, 16 hours
- Fire Investigations, Midwestern Ohio Fire Investigations Seminar, Sidney, Ohio, March 2008, 12 hours - Tested
- Advanced Insurance Fraud Seminar, National Society of Professional Insurance Investigators, November 2007, 14 hours
- Arson Detection, Northern Ohio Arson Seminar, February 2007, 16 hours
- Insurance and the Fire Investigation, CFITrainer.net, January 2007, - Tested
- Advanced Insurance Fraud Seminar, National Society of Professional Insurance Investigators, November 2006, 14 hours
- Arson Detection, Northwest Ohio Arson Seminar, October 2006, 16 hours
- Investigating Motor Vehicle Fires, CFITrainer.net, October 2006, 4 hours, Tested
- An Analysis of the Station Nightclub Fire, CFITrainer.net, October 2006, 4 hours, Tested
- UIS Investigation School / Investigations, August 2006, 40 hours
- Fire Investigator Scene Safety, IAAI-CFITrainer.net, May 2006, 3 hours, Tested
- NSPII Spring Seminar, March 2006, 4 hours
- Ohio Arson School, Ohio Chapter IAAI, 2006, 36 hours, Tested
- The Scientific Method for Fire & Explosion Investigations, CFITrainer.net, January 2006, 3 hours - Tested
- Digital Photography and the Fire Investigator, CFITrainer.net, October 2005, 4 hours - Tested
- Ethics and the Fire Investigator, CFITrainer.net, July 2005, 3 hours - Tested

## **SPECIALIZED TRAINING (CONTINUED):**

- Introduction to Fire Dynamics & Modeling, CFITrainer.net, April 2005, 4 hours - Tested
- MagneTek: Case Study in the Daubert Challenge, CFITrainer.net, April 2005, 2 hours, Tested
- Midwestern Ohio Fire Investigations Seminar, 2005, 12 hours
- International Association of Arson Investigators Conference, 2004, 28 hours
- Ohio Arson School, Ohio Chapter IAAI, 2004, 36 Hours, Tested
- Northwest Arson School Inc, 2004, 16 hours
- Asbestos OSHA Class II Training Services International, Cleveland, Ohio, June 2003, 8 hours, Tested
- Ohio Arson School, Ohio Chapter IAAI, 2003, 36 Hours, Tested
- Northwest Arson School, 2003, 16 hours
- Ohio Arson School, Ohio Chapter IAAI, 2002, 36 Hours, Tested
- National Society of Professional Insurance Investigators Conference, 2002, 5.5 hours
- Midwestern Ohio Fire Investigations Seminar, 2002, 12 hours
- International Association of Arson Investigators Conference, 2002, 28 hours
- Northwest Arson School, 2002, 16 hours, Tested
- Ohio Arson School, Ohio Chapter IAAI, 2001, 36 hours, Tested
- Ashland Arson School, 2001, 16 hours
- Indiana Arson School, Indiana Chapter IAAI, 2001, 22 hours, Tested
- Watercraft Fires, Ohio Chapter IAAI, 2001, 6 hours
- National Society of Professional Insurance Investigators Conference, 2001, 14 hours
- NSPII Spring Seminar, 2001, 12 hours

## **SPECIALIZED TRAINING (CONTINUED):**

- Northwest Arson School, 2001, 16 hours
- Ohio Arson School, Ohio Chapter IAAI, 2000, 36 hours, Tested
- Midwestern Ohio Fire Investigations Seminar, 2000, 12 hours
- International Association of Arson Investigators Conference, 2000 – 28 hours
- Northwest Arson School, 2000, 16 hours
- National Society of Professional Insurance Investigators Conference, 2000, 12 hours
- NSPII Spring Seminar, 2000, 12 hours
- Ohio Arson School, Ohio Chapter IAAI, 1999, 36 hours, Tested
- Investigative Process to Insurance Investigations, IRG, Inc., 1999, 40 hours
- International Association of Arson Investigators Conference, 1999, 28 hours
- Northwest Arson School, 1999, 16 hours
- National Society of Professional Insurance Investigators Conference, 1999, 12 hours
- Fire Investigations Development, Eastern Kentucky University, 1998, 18 hours, Tested
- Ohio Arson School, Ohio Chapter IAAI, 1998, 36 hours
- Northwest Arson School, 1998, 16 hours
- Ohio Arson School, Ohio Chapter IAAI, 1997, 36 hours
- Northwest Arson School, 1997, 16 hours
- Ohio Arson School, Ohio Chapter IAAI, 1996, 36 hours
- International Association of Arson Investigators Conference, 1996, 28 hours
- Northwest Arson School, 1996, 16 hours
- Terrorism, Federal Emergency Management, 1996, 6 hours

## **SPECIALIZED TRAINING (CONTINUED):**

- Interviewing Principles, Defiance County Fire Investigators, 1996, 4 hours
- Fire/Arson Investigation, National Fire Academy, 1996, 70 hours, Tested
- Management for Arson Prevention & Control, National Fire Academy, 1996, 76 hours, Tested
- International Association of Arson Investigators Conference, 1995, 28 hours
- Midwestern Ohio Fire Investigations Seminar, 1995, 12 hours
- Ohio Arson School, Ohio Chapter IAAI, 1995, 36 hours
- Forensic Mechanics, Ohio Chapter IAAI, 1995, 6 hours
- Motor Vehicle Theft & Arson Seminar, Ohio Auto Theft Association, 1995, 40 hours
- Northwest Arson School, 1995, 16 hours
- Ashland Arson School, 1995, 16 hours
- Use of K-9 in Fire Investigations, Defiance County Fire Investigators, 1995, 4 hours
- Polygraphing Procedures, Defiance County Fire Investigators, 1995, 2 hours
- International Association of Arson Investigators Conference, 1994, 28 hours
- Ohio Arson School, Ohio Chapter IAAI, 1994, 36 hours
- Northwest Arson School, 1994, 16 hours
- Motor Vehicle Theft and Fraud Seminar, 1994, 18 hours
- Ohio Arson School, Ohio Chapter IAAI, 1993, 36 hours
- Effects of Thermal Stress on Concrete, Ohio Chapter IAAI, 1993, 5 hours
- Fire Causes in Electric & Gas Equipment, Baker & Herbert Lab, 1993, 20 hours
- NFPA 921, Ohio Chapter IAAI, 1993, 6 hours
- Ashland Arson School, 1993, 16 hours

## **SPECIALIZED TRAINING (CONTINUED):**

- Northwest Arson School, 1993, 16 hours
- Ohio Arson School, Ohio Chapter IAAI, 1992, 36 hours
- Fire Causes in Gas Furnaces, Bard Manufacturing, 1992, 8 hours
- Ashland Arson School, 1992, 16 hours
- Northwest Arson School, 1992, 16 hours
- Ohio Arson School, Ohio Chapter IAAI, 1991, 36 hours
- Northwest Arson School, 1991, 16 hours
- Fingerprint of Fire & Arson, University of Illinois, 1991, 20 hours
- Ohio Arson School, Ohio Chapter IAAI, 1990, 36 hours
- Northwest Arson School, 1990, 16 hours
- Ohio Arson School, Ohio Chapter IAAI, 1989, 36 hours
- Northwest Arson School, 1989, 16 hours
- Advance Arson Investigation Techniques, Ohio Fire Academy, 1989, 16 hours
- Ohio Arson School, Ohio Chapter IAAI, 1988, 36 hours
- Northwest Arson School, 1988, 16 hours
- Arson Level II, Ohio Fire Academy, 1988, 42 hours
- Investigation of Auto Fires, Ohio Fire Academy, 1988, 4 hours
- Ohio Arson School, Ohio Chapter IAAI, 1987, 36 hours
- Northwest Arson School, 1987, 16 hours
- Kinesic Interview Techniques, Ohio Fire Academy, 1987, 4 hours

## **SPECIALIZED TRAINING (CONTINUED):**

- Advanced Interview Techniques, Ohio Fire Academy, 1987, 16 hours
- Ohio Arson School, Ohio Chapter IAAI, 1986, 36 hours
- Northwest Arson School, 1986, 16 hours
- Fire Alarm Systems, Division of State Fire Marshall, 1985, 4 hours
- Ohio Arson School, Ohio Chapter IAAI, 1985, 36 hours
- Northwest Arson School, 1985, 16 hours
- Ohio Arson School, Ohio Chapter IAAI, 1984, 36 hours
- Northwest Arson School, 1984, 16 hours
- Ohio Arson School, Ohio Chapter IAAI, 1983
- Ohio Arson School, Ohio Chapter IAAI, 1982
- Gas Chromatography, Ohio Fire Academy, 1982, 12 hours
- Ohio Arson School, Ohio Chapter IAAI, 1981
- Greater Cincinnati Regional Arson School, 1981
- Arson Level I, Ohio Fire Academy, 1981, 36 hours
- Improved Explosive Devices, Department of Army, 1981, 4 hours
- Greater Cincinnati Regional Arson School, 1980
- Greater Cincinnati Regional Arson School, 1979
- Greater Cincinnati Regional Arson School, 1978
- Greater Cincinnati Regional Arson School, 1977

## **PROFESSIONAL ORGANIZATIONS:**

International Association of Arson Investigators (IAAI)

National Association of Fire Investigators (NAFI)

National Fire Protection Association (NFPA)

National Society of Private Insurance Investigators (NSPII)  
Ohio, Michigan, & Indiana Chapters of the International Association of  
Arson Investigators

Defiance County Fire Investigators Association (charter member)

Ohio Fire Chiefs Association (Life Member)

Northwest Ohio Fire Investigator's Association

Northwest Ohio Volunteer Firefighters Association (Past President)

Lima Insurance Adjusters Association

## **SPECIAL EDUCATION COURSES TAUGHT:**

2006 Guest Lecturer for "Criminal Justice & Forensic Science" Course  
at Defiance College

2005 Guest Lecturer "Investigations Motor Vehicle Fires" for Fire Cause Determinaat Owens  
Community College, Toledo, Ohio

2003 Guest Lecturer at the Annual Ohio Arson School, Columbus, Ohio

2001 Served as Director of the "Advanced Fire Investigations" course for the  
Annual Ohio State Fire School, Bowling Green State University

2000 "Tools; Sherlock Holmes Had More Than A Magnifying Glass"  
Warren County (Ohio) Annual Fire Investigation Seminar

2000 Guest Lecturer at the Annual Ohio Arson School, Columbus, Ohio

2000 Guest Lecturer at the Annual Northwest Arson Seminar

2000 Serviced as Director of the "Advanced Fire Investigations" course for the  
Annual Ohio State Fire School, Bowling Green State University

## **SPECIAL EDUCATION COURSES TAUGHT (CONTINUED):**

- 2000 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses
- 1999 Served as Director of the “Advanced Fire Investigations” course for the Annual Ohio State Fire School, Bowling Green State University
- 1999 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses
- 1999 Guest Lecturer at the Annual Northwest Arson Seminar
- 1998 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses
- 1998 Guest Lecturer at the Annual Ohio Arson School, Columbus, Ohio
- 1997 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses
- 1996 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses
- 1995 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses
- 1994 Guest Lecturer at the Annual Northwest Arson Seminar
- 1994 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses
- 1993 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses
- 1992 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses
- 1991 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses
- 1990 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses

### **SPECIAL EDUCATION COURSES TAUGHT (CONTINUED):**

- 1989 Adjunct Instructor for Ohio Fire Academy for Incident Command System, Haz-Mat Operations, and Arson Level I Courses.
- 1989 Guest Lecturer at the Annual Northwest Arson Seminar
- 1987 Guest Lecturer at the Annual Northwest Arson Seminar
- 1974 – 1979 160-hour Basic Firefighting Course Director & Instructor at Bowling Green State University
- 1972 – 1983 Course Director & Instructor for “Water Movement” course for the annual State of Ohio Fire School held at Ohio State University and Bowling Green State University
- 1969 - 2000 Ohio Certified Instructor for county and regional schools and seminars in Ohio, Indiana, West Virginia and Michigan on myriad of subjects including rural water supplies, structural fire suppression operations, Incident Command System, Hazardous Materials Operations, and fire and explosion investigations.

### **CERTIFICATIONS:**

- 1990-Present IAAI-Certified Fire Investigator
- 1998-Present NAFI - Certified Fire & Explosion Investigator
- 1994 Executive Fire Officer (EFO) designation, National Fire Academy
- 1984-Present US EPA, Certified Hazardous Materials Technician
- 1983-1999 State of Ohio, Certified Fire Safety Building Inspector #S37-0183
- 1969-1999 State of Ohio, Fire Service Instructor
- 1968-1987 State of Ohio, Certified Emergency Medical Technician

## **AWARDS:**

- 2001 Recipient of Ohio Chapter of IAAI's prestigious Eisnaugle Award
- 1997 Distinguished Service Award presented by Ohio Fire Chiefs
- 1986 Dean of School, Annual Ohio Arson School, Columbus, Ohio
- 1985 Honorary Dean at the annual Ohio State Fire School held at Bowling Green State University
- 1983 Keynote speaker and recipient of the Eugene Jewell Award at the annual Northwest Ohio Arson School
- 1979 Instructor of the Year presented at the annual Northwest Ohio Volunteer Firemen's School, Bowling Green State University
- 1968 U.S. Air Force recipient of Meritorious Citation from base commander of the 513<sup>th</sup> Airlift Command, Mildenhall, England ( for designing and building a vehicle to foam runways).

## **COURT EXPERIENCE:**

### **Criminal Cases**

1. State of Ohio vs Andrew Koenig, June 1995, (Arson)
2. State of Ohio vs John C Prowant, 3/29/89, (Arson)
3. State of Ohio vs Marlowe Phillips, 1/17/84 (B&E, Grand Theft, & Arson)
4. State of Ohio vs William L. Phillips, 8/11/83 (B&E, Grand Theft, & Arson)
5. State of Ohio vs Karen Zeedyk, 7/20/83 (Arson)

### **Civil Cases**

1. Petry vs State Farm Insurance, 6/19/89
2. John Strayer vs Clark Oil & Refining Corp, 10/10/86
3. Dime Bank of Northwest Ohio vs John Hurst, 10/19/83