

**PAULIUS A. TEKORIUS**

Certified Fire and Explosion Investigator  
Certified Computer Fire Modeling Technician  
Forensic Reconstruction Specialist

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**ACADEMIC BACKGROUND/TRAINING**

MSc Computational Fire Engineering studies, University of Greenwich, U.K.  
B.S. Criminal Justice, Portland State University  
Computer Fire Modeling Technician Certificate, Portland Community College

- IAAI Annual Training Conference, 2011, 2007, 2014, 2017
- Instructor, 2016 PERse Renewable Energy Summit, Dana Pt, CA
- Instructor, Advanced Research Workshop Fire Computer Modeling, University of Cantabria, Spain, 2007
- Interflam, International Fire Science and Engineering Conference, 2007
- Faculty, Defense Research Institute Fire and Casualty, 2006
- International Symposium of Fire Investigation Science and Technology, 2006
- Instructor, Advanced Fire and Arson Career Development School, 2006
- Investigations of Electrical & Appliance Related Fires, 2005
- IAAI Advance Fire & Arson Seminar, 2005, 2004, 2003, 2002, 2001, 2000
- IABTI Regional Training Conference, 2004, 2002, 2001, 2000, 1999, 1998, 1997
- Principles and Practice of Fire Modeling, University of Greenwich, 2004
- Principles and Practice of Evacuation Modeling, University of Greenwich, 2004
- Intern at Western Fire Center, Inc. 2003-2004
- Introduction to Fire Dynamics Simulator and Smokeview, SFPE, 2003
- Fire Dynamics Course, FP121-Portland Community College, 2003
- Professional Skills Training-Computer Fire Modeling, PCC, 2003
- Technical Working Group on Fire & Explosions Seminar, 2002
- OFMA NW Fire and Arson Seminar, 2001
- Advanced/Refresher Special Entry Technicians Course, REST Corp, 2001.
- International Breacher's Symposium, 2001
- Many Faces of Arson Seminar, Oregon Council Against Arson, 2001
- Weapons of Mass Destruction Incident Command Course, Department of Justice, 2000
- Advanced Fire, Arson, & Explosion Investigation Science & Technology Seminar, 2000
- Domestic Terrorism Y2K Threat Assessment, 1999
- ORISE-Radiological Detection Equipment Training, 1999
- Hazardous Materials Operator Certification-PPB Fire, 1999
- Weapons of Mass Destruction Bomb Technician Emergency Actions Course, 1999
- Special Entry Technicians Course, REST Corp, 1998.
- FBI specialty school, robotics, charges, chemical/biological, 1998

- Hazardous Devices Course-Redstone Arsenal Explosives Disposal School, 1998
- Bureau of Alcohol, Tobacco, & Firearms Post Blast Investigations Course, 1997
- FBI Regional Bomb Technician Seminar, 1997

## **EXPERIENCE**

### **Teknical Associates, Inc. 2000-Present**

International fire and explosion expert conducting fire scene examinations of commercial, residential, industrial and renewable energy settings, witness interviews and product examination/testing. Fire consultations and forensic scene reconstruction on existing fire litigation including report review, photograph analysis, and evidence examination. Computer fire modeling designed to test origin and cause theories for new or existing litigation cases.

### **Bundy, Gale, & Shields, LLC. 2005-2014**

International fire and explosion expert conducting fire scene examinations of commercial, residential and industrial settings, witness interviews and product examination/testing. Fire consultations and forensic scene reconstruction on existing fire litigation including report review, photograph analysis, and evidence examination. Computer fire modeling designed to test origin and cause theories for new or existing litigation cases.

### **Clackamas County Sheriff's Office, 1992-2003**

Bomb technician with responsibilities to investigate explosions and conduct fire investigations. Sergeant conducting criminal investigations and supervising Deputy Sheriffs.

## **PROFESSIONAL AFFILIATIONS**

Board of Directors, Oregon, International Association of Arson Investigators,  
Chapter 31, 2005- 2008

International Association of Arson Investigators

Society of Fire Protection Engineers, Cascade Chapter

Society of Fire Protection Engineers

Clackamas Fire Investigation Team

National Association of Fire Investigators

International Association of Bomb Technicians and Investigators

Member Oregon Board on Public Safety Standards & Training Curriculum Review Committee,  
1995

## PUBLICATIONS

“Fire in a sunroom: A Forensic Application of Fire Dynamics Simulator,” 2007 Advanced Research Workshop Fire Computer Modeling, University of Cantabria

## RESEARCH ACTIVITIES

- Conducted numerous computational fire simulations involving FDS4
- Studied fire growth and progression for standardized testing at Western Fire Center
- Studied the low speed flow effects include ceiling fan models, hazardous materials dispersal, and hood calorimeter simulations.

## LICENSES/CERTIFICATIONS

Private Investigator License, *State of Oregon*, License #83475

Private Investigator License, *State of California*, License # 25335

Private Investigator License, *State of Texas*, License #A19508

Private Investigator License, *State of Montana*, License # 9693

Certified Computer Fire Modeler, *Portland Community College*

Certified Fire and Explosion Investigator, *National Association of Fire Investigators*

Explosions and Case Studies Instructor, *Oregon Department of Public Safety & Standards*

OSHA 10 Hour Outreach Training Program - General Industry 2017

First Aid/CPR/AED - Red Cross 2017