

RESUME

Alexander Graps, Jr. PE

Electric Forensics, Inc.
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Newport Beach, CA 92660-0708
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EDUCATION

BS Electrical Engineering, George Washington University, Washington, D.C.
Graduate Electrical Engineering Courses (20 Sem.- Hrs) University of Hawaii
Numerous Electrical Engineering Seminars and Short Courses. UCLA, UCI, etc.
Special Seminars: Appliance Fires (11/99), Neon Signs (2/01), National Electrical Code (3/01), Wiring Fires, CCAI Seminars (2/01 and 1/03, 1/05, 7/06), Fire & Materials Seminar 1/03. Electric & Gas Appliance Fires Seminar 4/04. Electrical System Grounding 11/04.

PROFESSIONAL REGISTRATION AND AFFILIATIONS

- Registered Professional Engineer, California, Quality Engineering Q3745
- Member, Institute of Electrical and Electronics Engineers.
- Member, Forensic Expert Witness Association
- Member, National Fire Protection Association
- Member, International Association of Arson Investigators
- Member, California Conference of Arson Investigators

PROFESSIONAL EXPERIENCE

Forensic Engineering:

- Evaluation of system or product conformance to design or performance requirements.
- Electrical Fires: Cause Analyses: residential, commercial, industrial; over 950 cases including suspected household appliances, wiring, neon signs, electrical panels and equipment.
- Failure and defect analyses in the investigations of losses involving electrical systems and equipment, industrial machinery, manufacturing systems and equipment, wiring and cables; over 200 cases.
- Construction Defects Evaluation, 10 cases
- Analysis of circumstances resulting in an electrocution or electrical injury, 13 cases.

Test and Evaluation Engineering:

- Design test programs for performance evaluation of conventional explosives and nuclear weapon subsystems.

- Instrumentation design, statistical modeling, test plan preparation, environmental simulations.
- Test operations, failure analysis, nuclear safety and performance effectiveness assessment. Telemetry data collection and analysis.
- Participation in at-sea weapon launch tests in attack submarines and surface ships.

TECHNICAL SPECIALTIES

28 Years Experience in:

- Product evaluation for conformance to design specifications and performance requirements.
- Failure and defect analyses of electrical and electromechanical systems.
- Test plan and test system design. Testing and trouble-shooting.

17 Years Experience in:

- Electrical Fires: Cause Analyses, residential, commercial, industrial.
- Loss and damage investigations in electrical systems, wiring, cables, equipment and machinery.
- Reconstruction of events and cause determination leading to injury or electrocution.
- Construction Defects Evaluation (Electrical).
- Depositions, Testifying, Mediation Meetings, Expert Witness.

1/07

2007 Expert Fee Schedule

Expert Consulting work	\$265.00 per hour (2 hr. minimum)
Depositions/Trials	\$325.00 per hour
Clerical/Admin	\$30.00 per hour
Auto mileage	50 ¢ per mile
Report Photos	\$1.50 each

Other travel expenses, color copies, laboratory expenses, etc., charged at cost.
Storage of evidence: one year minimum charge according to size paid in advance.

All payments are to be made to: **ELECTRIC FORENSICS, INC.**
EIN: 71-0920896

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