

# FORCON INTERNATIONAL

**KENNETH W. ROBINSON, PE, CFEI**

## **SUMMARY**

Mr. Robinson is an established electrical engineer with over 40 years of experience. His specialties range from Equipment Damage and Failure Analysis, Equipment Valuation Studies, Personal Injury Evaluations, Fire Origin and Cause Analysis, Vehicle Fire Cause Analysis, Electrical Power and Lighting System Design, HVAC System Design, High Voltage Electrical Power Distribution Systems, Product Failure Analysis, Elevator Equipment Analysis, and Fire Alarm Systems relating to various electrical matters. Mr. Robinson has over the years acted as course instructor for classes involving basic electricity, accidental fire causes, lightning damage analysis, equipment contamination issues, and equipment failure analysis for the insurance and legal industries.

Mr. Robinson's expertise also covers the following electrical systems/equipment:

### **Power Transmission & Distribution Systems**

- Power Transformers
- Bus Ducts & Switchgear
- Renewable Energy
- Motor Control Centers

### **HVAC & Building Automation**

- Energy Management Systems
- Chillers & Air Handlers
- Security Systems
- Fire Panels
- Elevators & Lift Equipment

### **Medical Equipment**

- Patient Care & Monitoring
- X-Ray & CT Equipment
- MRI Units

### **Radio & TV Broadcast**

- Transmitters & Antennas
- Camera Systems
- Recording Equipment
- Feed Lines & Wave Guides

### **Data Centers**

- UPS Systems
- Data Cables & Data Storage
- Fire Suppression Systems

### **Manufacturing & Testing**

- CNC Equipment
- Automation Systems
- Laboratory Equipment

## **EDUCATION**

Bachelor of Science in Electrical Engineering – Texas A&M University; College Station, TX

## **REGISTRATIONS & CERTIFICATIONS**

Registered Professional Engineer

- Texas No.: 43021

National Association of Fire Investigators (NAFI)

- Certified Fire and Explosion Investigator – Lic No.: 15605-8292
- Certified Vehicle Fire Investigator – Lic No.: 15605-8292v

## **CONTINUING EDUCATION**

Additional courses and certifications completed in the following:

- Catastrophic Wildfires – Fire O&C and Smoke Damage Assessments (2021)
- Advanced Fire Investigations – Fire Pattern Analysis in Complex Litigation (2021)
- Advancements in Subrogation Claims (2021)
- Digital Forensics in Commercial Crimes (2021)
- Origin Stories - Chimney Fires (2021)
- Wind Energy Failure Analysis (2021)
- Nuances of Builder's Risk versus Course of Construction (2021)
- Lightning Impact on Smart Building Claims (2021)
- Handling a Case in Anticipation of Litigation (2020)
- Reinstatement Challenges for Hotels, Resorts, and Casinos (2020)

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- Consumer Electronics and the IoT – Next Wave of Digital Evidence Claims (2020)
- Disaster Preparedness and Emergency Response – Equipment Preservation (2020)
- Multimodal Transport Challenges (2020)
- Turbine Insurance Losses: The Complexity of Turbomachinery (2020)
- Phishing, Ransomware and Data Exfiltration (2020)
- Impact on Systems and Equipment during COVID-19 (2020)
- Investigating & Determining Business Interruption Loss after Cyber Attack (2020)
- Vehicle Fire Investigation (2020)
- Clothes Dryer Fires (2020)
- Equipment Claims and the Risks of the Pandemic in Global Shipping (2020)
- Industrial Equipment Claims (2020)
- Fire Scene Preservation (2020)
- Claim Handling and Ethics in the Time of COVID-19 (2020)
- Strategies in Handling Tunneling Construction Claims (2019)
- Retaining Wall Failures (2019)
- Commercial Marine Fire Investigations (2019)
- Demystifying Fire Investigations (2019)
- Binary Footprints - Uncovering Hidden Data (2019)
- Insurable Events – Construction Projects (2019)
- Foundation Settlement Analysis (2019)
- Equipment Restoration – Risk versus Reward (2019)
- Marine Hull and Machinery Claims (2019)
- Product Liability Claims (2019)
- Renewable Equipment Claims (2019)
- Electrical Harmonics Damage (2019)
- Solving Warranty Issues (2019)
- Hurricane Damage Claims – Wind versus Flood (2019)
- Construction Defect Claims (2019)
- Ransomware Case Studies (2019)
- Engineering Ethics (2019, 2020, 2021)
- Technical Restorations in Complex Environments (2019)
- Assessment of Antiquated Building Systems (2019)
- New Technology, Tomorrow's Fire Investigations (2019)
- Advanced Hail Investigations (2019)
- Investigating Complex Equipment Claims (2019)
- Cat Response for Healthcare Equipment Claims (2019)
- Determining Liability in Vehicle Fires (2019)
- Sump Pumps and Sewer Backups versus Floods (2019)
- Elevator and Escalator Claims (2019)
- Investigating Impact Damage (2019)

## **CAREER HISTORY**

### **FORCON International – Electrical Engineer**

Conducting forensic investigation and providing expert witness services as it relates to his area of expertise.

### **Benchmark Forensic Engineering – Principal Engineer**

### **PTC-LWG Consulting – Private Investigator – Manager; Forensic Engineering Technical Manager – Forensic Engineering Division**

### **Forcon-Aacon, Incorporated – Consulting Engineer**

**Investigative Consultants, Incorporated – Electrical Engineer**

**Bitting Engineering, Incorporated – Electrical Engineer**

**Savage Air, Inc – Vice President Sales**

**Trane Company – District Sales Manager**

**Venture Mechanical – Design Engineer/Sales**

**Brady, Lohrman & Pendleton – Electrical Design Engineer**

**National Service – Electrical/Mechanical Design Engineer**

**AID Consulting Engineers, Incorporated – Electrical Engineer**

**GAB Robins – Electrical Engineer**

**Texas Utilities (Dallas Power & Light) – Staff Engineer**

## **SPEAKING ENGAGEMENTS**

- Basic Electricity & Electrical Fire Causes (Plano Fire Department, Plano, Texas)
- Accidental Electrical Fire Causes (Dallas Fire Academy, Dallas, Texas)
- Electrical Fires (Dallas Fire Academy, Dallas, Texas)
- Why Air Conditioning Systems Fail (Texas Continuing Education Seminar)
- Technical Tips for Adjusting Electronic Equipment Claims (Texas CE Seminar)
- Year 2000 (Y2K) Claim Issues (Texas and Oklahoma CE Seminar)
- NFPA 921 Series – Appliances & Appliance Fires (Dallas Fire Academy, Dallas, Texas)
- Computer Forensics (Texas Continuing Education Seminar)
- Understanding Computer Viruses (Texas CE Seminar)
- Electronic & E-Commerce Claims (Texas CE Seminar)
- Solving the Warranty Dilemma (Texas CE Seminar)
- Investigating Electrical Incidents (Texas CE Seminar)
- Electrical Power Quality Claims (Texas CE Seminar)
- Web Perils (PLRB – San Antonio, TX)
- Subrogation: Building the Case with Your Expert (PLRB – Nashville, TN)
- Investigating Industrial Fires (IAAI – Victoria, BC Canada)
- Product Liability Investigations (Travelers Insurance University – Hartford, CT)
- Transformer Failure Analysis (Natural Gas Claims & Litigation Conf. – Tucson, AZ)
- Critical Issues in the Preservation of Evidence (CLM Conference – New Orleans, LA)
- Product Liability Investigations (NASP – Webinar)
- What Makes an Excellent Testifying Expert Witness (Bar Association, Chicago, IL)
- Assessing Extent of Damage, & Subrogation Opportunities (Seattle, WA)
- Electronic & E-Commerce Claims (PLRB/ILRB – Chicago, IL)
- Large Scale, High Technology Claims Challenges (Texas CE Seminar)
- Investigation File Notes – Your File on Trial (Texas CE Seminar)
- Data Retrieval Online (Texas CE Seminar)
- Detecting Deception (Texas CE Seminar)
- Electronic Discovery (Texas CE Seminar)
- E-Commerce/ Dot Com Business Claims (PLRB – Scottsdale, AZ)