

LANCE MILLER
Inflatable and Amusement Specialty Device Expert

PROFESSIONAL EXPERIENCE

2018 to present **Robson Forensic, Inc.**
Associate

Provide technical investigations, analysis, reports, and testimony toward the resolution of commercial and personal injury litigation involving:

- Inflatable operations, inspection, maintenance and failure analysis
- Rockwall operations, inspection, maintenance and failure analysis
- Mechanical Bull operations, inspection, maintenance and failure analysis
- Trackless Train operations, inspection, maintenance and failure analysis
- Bungee Jump/Bungee Tramp operations, inspection, maintenance and failure analysis
- Trampoline Court operation, inspection, maintenance and failure analysis

2017 to present **Miller Safety Inspections & Consulting, Inc.**
President

- Conducts third party inspections for amusement companies in the State of Colorado to ensure they meet or exceed State regulatory requirements
- Consults with owners and operators nationwide for amusement industry related issues
- Currently building a national safety certification program for inflatable companies
- Active member of ASTM F-24 with a focus in F24.61 inflatables
- Task Group Chair for ASTM F24.61 Amusement Challenge Areas

1999 to 2017 **Big Air Jumpers, Inc.**
President

- Built a successful amusement rental company from ground zero to a 1.8-million-dollar annual rental company
- Provided leadership for over sixty employees and contractors
- Developed and implemented training protocol for installers, supervisors, maintenance, call center, and drivers to ensure safe, reliable operation of all equipment
- Provided operational leadership for three warehouses statewide
- Recognized as a leader in safety and business practices of inflatable and amusement devices
- Thousands of hours of experience in all aspects of the inflatable amusement rental industry and specialty amusement devices
- ASTM F-24.61 member from inception to the present
- Contributing member of Inflatable Academy, a group of inflatable owners and operators worldwide
- Consulted with insurance brokers for insurance related issues regarding inflatable owners and operators

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- 1990 to 1999 **Abbott Fire and Safety, Inc.**
Manager of Training
- Built and implemented a training program to teach entry level employees in the field of fire and safety
 - Supervised on-site installation of various fire suppression systems
 - Provided testing and maintenance of safety suppression systems
 - Inspected and made recommendations to building officials in accordance with NFPA 101
- 1986 to 1994 **United States Air Force**
Fire Protection Specialist
- Active Duty 1986 – 1990, Active Reserves 1990 – 1994
 - Obtained the rank of E – 5 Staff Sergeant
 - Honorable Discharge from Active Duty and Reserves
 - Fire fighter for USAF to protect property and aircraft
 - NCOIC of alarm room communications
 - Supervised the emergency call center for alarms
 - Dispatched equipment and personnel to emergency incidents
 - Obtained the rank of Station Captain during shift work
 - Numerous medals and achievements
 - Promoted below the zone to the next rank by peers and supervisors
 - Nationally Certified Emergency Medical Technician

PROFESSIONAL CREDENTIALS

AIMS International Certified Ride Inspector Level 2, expires March 31, 2021
IATP Level 2 Certified Service Technician (CST-2), expires October 2022
NAARSO Certified Amusement Ride Safety Inspector Level 1, CN-3574, expires March 31, 2020
ACCT Level 1 Professional Inspector, expires March 1, 2021

PAST CERTIFICATIONS

Certified Emergency Medical Technician
Responsible Operators of Amusement Rentals Certification (ROAR), annual certification from
2010 – 2017

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EDUCATION

M.A., Community Counseling, Denver Theological Seminary, Denver, Colorado, 2003

B.S., Organizational Management, Colorado Christian University, Lakewood, Colorado, 2001

A.A.S., Fire Science Technology, Red Rocks Community College, Lakewood, Colorado, 1991

Continuing education:

Association for Challenge Course Technology (ACCT), 29th Annual International Conference and Exposition, Denver, CO, February 2019

- 2019 Professional Inspectors Forum
- Tree Health: Damage, Disease, and Decline
- Do It Yourself
- Intro to Zipline Braking Systems
- Bring Your Compass, The Commissioning Process

ACCT Test Preparatory Class

National Association of Amusement Ride Safety Officials (NAARSO), 32nd Annual Safety Forum, Myrtle Beach, SC, January 2019

- Water Slide & Feature Inspect
- Understanding Accelerometer
- Components/Inspection (Perm)
- Components/Inspection (Mobile)
- Hydraulic Locking Restraint
- Wire Rope Inspection
- Corrosion Analysis
- Water Quality Ride Inspector
- Understanding Weld & NDT
- ABCs of OSHA
- Rigging Inspections
- Electric Controls & Troubleshoot
- Dark Ride/Safety Code 101
- Patron Containment
- Inspecting Generators/Carnival
- Meeting New Inspection Challenges
- Develop an Inspection Program
- Go Kart Inspection/Maintenance/Operations
- Non-Destructive Testing
- Aerial Adventure Inspection

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Amusement Industry Manufactures and Suppliers (AIMS) International, Galveston, TX, January 2019

- Dynamic Ride Forces
- Visual Inspections
- Electric Controls – Sensors, Limit Switches, Photo Eyes & Proximity Switches
- Fluid Power Basic
- Electrical Basic
- Commissioning Your New Ride
- Electrical Schematic Reading
- Lubrication Advanced – Bearings, Gears & Chains
- Dynamic Attractions
- ASTM F770 – Inspection and Maintenance
- The Sciences of Safe Walking Surfaces (Slips, Trips, Falls)
- Pneumatics
- Fasteners
- Measurement
- Steel Coaster & Train Inspection
- Red Card Inspection – Auditing your Inspection Process
- Bearing Maintenance and Inspection
- Wooden Coaster and Train Inspection
- Advanced Theory of Nondestructive Testing

Amusement Industry Manufactures and Suppliers (AIMS) International, Galveston, TX, January 2018

- Inspection Beyond the Steel
- Midway Inspection
- Amusement Ride Device and Inspection Introduction
- Operations, Inspections & Audits
- Inspection, Operation and Safety for Dry Slide
- ASTM Introduction and Update to the Standards
- ASTM F770 – Operations
- ASTM F24 Current Standards
- Common and Not-So Common Amusement Ride Safety Issues
- Incident Investigation
- Amusement Ride Device and Inspection Advanced
- Dynamic Ride Forces
- Confined Space
- Visual Inspections
- Writing Standard Operating Procedure Manuals
- Circle of Excellence
- Control Systems for Inspectors
- Inspection, Operation and Safety for Dark Rides
- Electric Controls – Sensors, Limit Switches, Photo Eyes & Proximity Switches

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National Association of Amusement Ride Safety Officials (NAARSO), 31st Annual Safety Forum,
Baton Rouge, LA, January 2018

- Limited Specialty Training Class
- ASTM Standards & Documentation
- Basic Fasteners and Wire Rope
- Basic Hydraulics
- Basic Electric & NEC
- Inflatable Devices
- Mechanic Bulls
- Trackless Trains
- Rockwalls
- Bungee Jump/Bungee Tramp
- Inspector Communications
- Comprehensive Ride Evaluation
- Components/Inspection Points Park Type Rides
- Components/Inspection Points Carnival Rides
- Facility Inspections
- Wire Rope Inspections
- Inspect Generators-Carnival Distribution System
- Braking Systems
- Hydraulic Locking Restrain Systems
- Rigging Inspection
- Minatare Trains
- Death by Pencil
- Dynamic Ride Testing
- Flumes and Raft Rides
- Safety Restraints
- Hands on Training at Dixie Landin' Park
- Incident Investigation Methods & Techniques
- Patron Containment

SPEAKING ENGAGEMENTS

Pennsylvania Amusement Ride Safety Seminar, Harrisburg, PA Fall 2018, Spring 2019

INFLA-107 Introduction to Inflatable Amusement Ride

INFLA-110 Anchoring & Inspection Process for Inflatable Amusement Rides

INFLA-109 Documentation for Inflatable Amusement Rides

INFLA-108 Manufacturers Manuals & Signage for Inflatable Amusement Devices

INFLA-115 Current Issues & Trends for Inflatable Operators

INFLA-122 CPSC Inflatable Amusement Devices Safety Bulletin Updates

INFLA-113 Inflatable Operations - An Owners Perspective, Fall 2018

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PROFESSIONAL MEMBERSHIPS

ASTM Committee F24 on Amusement Rides and Devices
National Association of Amusement Ride Safety Officials (NAARSO)
Amusement Industry Manufacturers and Suppliers International (AIMS International)
International Association of Trampoline Parks (IATP)
Association for Challenge Course Technology (ACCT)

MEDIA APPEARANCES

Miller, Lance. Interview with Karen Morfitt, CBS Evening News Denver. Wind Gusts Toss Inflatable Bouncy House 300 Feet, 1 Inured, June 2, 2014