

LANCE MILLER
Inflatable, Trampoline, and Amusement Device Expert

PROFESSIONAL EXPERIENCE

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

- Conducts third-party inspections for amusement companies in the States of Colorado, Nebraska, New Mexico, Texas, Kansas, Missouri, Louisiana, Mississippi, Tennessee, Florida, New York, and Minnesota to ensure they meet or exceed State regulatory requirements
- Consults with owners and operators nationwide for amusement industry-related issues
- Member of IOA (Inflatable Operators Association), providing safety seminars for operators and manufacturers
- Active member of ASTM F-24 with a focus in F24.61 patron directed amusement devices
- Provide technical investigations, analysis, reports, and testimony toward the resolution of commercial and personal injury litigation involving:
 - Amusement device operations, inspection, maintenance, design, and failure analysis
 - Inflatable operations, inspection, maintenance, design, and failure analysis
 - Trampoline Court operation, inspection, maintenance, design, and failure analysis
 - Rockwall operations, inspection, maintenance, design, and failure analysis
 - Mechanical Bull operations, inspection, maintenance, design, and failure analysis
 - Trackless Train operations, inspection, maintenance, design, and failure analysis
 - Bungee Jump/Bungee Tramp operations, inspection, maintenance, design, and failure analysis
 - Dunk Tank operations, inspection, maintenance, design, and failure analysis
 - Sumo Suits operations, inspection, maintenance, and design failure analysis

2018 to 2025 **Robson Forensic, Inc.**
Associate

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

- Amusement device operations, inspection, maintenance, and failure analysis
- Inflatable operations, inspection, maintenance, and failure analysis
- Trampoline Court operation, 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
- Dunk Tank operations, inspection, maintenance, and failure analysis
- Sumo Suits operations, inspection, maintenance, and failure analysis

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

LANCE MILLER
Inflatable, Trampoline, and Amusement Device Expert

- 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

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
- Firefighter for the USAF to protect property, aircraft, and assets
- 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

LANCE MILLER
Inflatable, Trampoline, and Amusement Device Expert

PROFESSIONAL CREDENTIALS

AIMS International Certified Ride Inspector Level 2, expires March 31, 2027
NAARSO Certified Amusement Ride Safety Inspector Level 2, CN-3574, expires March 31, 2027
ACCT Level 1 Professional Inspector, expires July 31, 2027
AIMS International Certified Operations Technician Level 2, expires March 31, 2026
AIMS International Certified Adventure Attractions Level 1, expires March 31, 2026

PAST CERTIFICATIONS

IATP Level 2 Certified Service Technician (CST-2)
Certified Emergency Medical Technician
Responsible Operators of Amusement Rentals Certification (ROAR), annual certification from 2010 – 2017

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:

National Association of Amusement Ride Safety Officials (NAARSO), 35th Annual Safety Forum, Orlando, FL, January 2022

- Ziplines
- Mechanical Bulls
- Hayride/Corn Maze
- Trains
- Wire Rope Inspection
- Hydraulics
- Pneumatics
- Trampolines
- Advanced Inspection Techniques
- Inflatables
- Passenger Restraints
- Inspection Points
- Dutch Wheels

National Association of Amusement Ride Safety Officials (NAARSO), 34th Annual Safety Forum, Orlando, FL, January 2021

- Basic Math
- Basic OSHA

LANCE MILLER
Inflatable, Trampoline, and Amusement Device Expert

- Fasteners
- Wire Rope
- Basic Hydraulics
- Basic Pneumatics
- Basic Generators
- Basic Electric
- ASTM
- Legal
- Basic Inspection Techniques
- Braking Systems
- Death by Pencil Whipping
- Component Inspection Points (Permanent Rides)
- Component Inspections Points (Mobile Rides)
- Hydraulic Locking Restraint Systems
- Wire Rope Inspections
- Inspecting Generators Portable Distribution

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

LANCE MILLER
Inflatable, Trampoline, and Amusement Device Expert

- Go Kart Inspection/Maintenance/Operations
- Non-Destructive Testing
- Aerial Adventure Inspection

Amusement Industry Manufactures and Suppliers (AIMS) International, Galveston, TX,
January 2018, 2019, 2020, 2022, 2023, 2024, 2025

- Inspection Beyond the Steel, 2018
- Midway Inspection, 2018
- Amusement Ride Device and Inspection Introduction, 2018
- Operations, Inspections & Audits, 2018
- Inspection, Operation and Safety for Dry Slide, 2018
- ASTM Introduction and Update to the Standards, 2018, 2020
- ASTM F770 – Operations, 2018, 2020
- ASTM F24 Current Standards, 2018
- ASTM F770 – Inspection and Maintenance, 2019, 2020
- Common and Not-So Common Amusement Ride Safety Issues, 2018
- Incident Investigation, 2018
- Amusement Ride Device and Inspection Advanced, 2018
- Dynamic Ride Forces, 2018, 2019, 2020
- Confined Space, 2018
- Visual Inspections, 2018, 2019, 2022
- Writing Standard Operating Procedure Manuals, 2018
- Circle of Excellence, 2018
- Control Systems for Inspectors, 2018
- Inspection, Operation, and Safety for Dark Rides, 2018
- Electric Controls – Sensors, Limit Switches, Photo Eyes & Proximity Switches, 2018 & 2019
- Fluid Power Basic, 2019, 2020
- Electrical Basic, 2019, 2020
- Commissioning Your New Ride, 2019, 2022
- Electrical Schematic Reading, 2019
- Lubrication Advanced – Bearings, Gears & Chains, 2019
- Dynamic Attractions, 2019
- The Sciences of Safe Walking Surfaces (Slips, Trips, Falls), 2019
- Pneumatics, 2019, 2020
- Fasteners, 2019, 2022
- Measurement, 2019, 2020
- Steel Coaster & Train Inspection, 2019, 2020
- Red Card Inspection – Auditing your Inspection Process, 2019
- Bearing Maintenance and Inspection, 2019, 2020
- Wooden Coaster and Train Inspection, 2019
- Theory of Nondestructive Testing, 2020
- Advanced Theory of Nondestructive Testing, 2019
- Rigging Safety, 2020
- Welding 360, 2020

LANCE MILLER
Inflatable, Trampoline, and Amusement Device Expert

- Chain Manufacturing Technique, Inspections and Maintenance, 2020
- OSHA-Exit Routes, Emergency Action Plans, and Fire Prevention Plans, 2020
- Understanding Weld and NDT Documentation, 2020
- Securing Ride/Attraction Restricted Area During Operation, 2020
- Utilizing Rope Access to Solve Access Issues, 2020
- Fiberglass Maintenance, Assessment and Repair, 2020, 2022
- Hot Topics, 2020
- Inflatables, 2022, 2023
- Couplings, U Joints and Shaft Alignment, 2022
- Auditing an Aquatic Facility, 2022
- Aquatic Facility Maintenance Operations Documentation Practices, 2022
- Drone Inspection Over Rollercoaster's Track, 2022
- Common Inspection Points on Amusement Rides and Devices, 2022
- Safety at Testing & Commissioning and Evacuation, 2022
- Amusement Rides Safety: How to achieve an acceptable level of safety, 2022
- ASTM Case Study, 2022
- Engineering in the Amusement Industry, 2022
- Math and the Amusement Ride, 2022
- Amusement Challenge Areas, 2022
- Eli Bridge, 2022
- Combining Drone and Rope Access for Effective Inspections, 2022
- Rock Walls, 2022
- Skycoasters, 2022
- Challenges of Operating a Private Destination, 2022, 2024
- Certificates of Insurance, 2022
- Fundamentals of Operator and Attendant Safety, 2023, 2024
- Building an Adventure Attraction Safety Program, 2023, 2024, 2025
- Intro to ASTM with Introduction to F770, 2023, 2024, 2025
- Operating Document F770, 2023, 2024, 2025
- Evacuation Plan F770, 2023, 2024, 2025
- Denying Entry, Patron Communication, Patron Responsibility, and Injuries/Illnesses, 2023, 2024
- ASTM F770 – Maintenance/Inspection/Training Program Requirements/Document Retention/and Information Transferred, 2023
- Communicating Safety to Your Guests: Beyond the Waiver, 2023, 2024
- Trampoline Park Inspection Course - F2970, 2022, 2023, 2024, 2025
- Airbags (I2K), foam pits, and soft play, 2023
- Harnessed Adventure Attractions, 2023, 2024, 2025
- Introduction to Aerial Adventure Course and Zip Line Inspections, 2023
- ASTM F770 – Maintenance/Inspection/Training Program Requirements/Document Retention/and Information Transferred, 2024
- Overview of Aerial Adventure Course and Zip Line Inspections, 2024
- Incident Response Strategies, 2024
- Sky Coasters Part 1 & 2, 2025
- Inflatable Operations, 2024, 2025

LANCE MILLER
Inflatable, Trampoline, and Amusement Device Expert

- Inflatable Design, 2024, 2025

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
- Miniature 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, Fall 2019, Spring 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022, Fall 2023, Spring 2024, Fall 2024

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 Owner's Perspective, Fall 2018, 2019, 2021, Spring 2022, Spring 2024, Fall 2024

LANCE MILLER
Inflatable, Trampoline, and Amusement Device Expert

RIDES-121 Amusement Play Areas, Spring 2020, 2021, Fall 2021, Spring 2022
EXT SP-128 F2970 Trampoline Courts Service Tech Program, Spring 2021, Fall 2021,
Spring 2022, Fall 2023, Spring 2024, Fall 2024
INFLA-129 Inflatable Design Considerations Fall 2023, Spring 2024, Fall 2024

Northwestern Showmen's Club, 40th and 41st Annual Safety Seminar, Portland, Oregon, February
2020, 2022, 2024

ASTM
Inflatables

Amusement Industry Manufacturers and Suppliers (AIMS) International, Galveston, TX, January 2022,
2023, 2024, 2025

Inflatable Operations 2022, 2023, 2024, 2025
Inflatable Design 2024, 2025
Trampoline Court Program & Test 2022, 2023, 2024, 2025
Amusement Challenge Areas 2022 & 2023
Trampoline Park Hands-On Day-FEC/Adventure Park 2024, 2025
Mountain Coasters and Alpine Slides 2024
ASTM F1159 2024, 2025

National Association of Amusement Ride Safety Officials (NAARSO), 35th Annual Safety Forum,
Orlando, FL, January 2022, 2023, 2024, 2025

Inflatables
Trampoline Court Program & Test
Ziplines
Trampoline Park Hands-On Day-FEC/Adventure Park 2024, 2025

Inflatable Operators Association (IOA) Expo and Safety Conference, Lebanon, TN, April 1-3, 2025
Inflatable Operations, ASTM F2374, Hands-on Demonstration, and Test

State of Illinois Department of Labor, Springfield, IL, January 2023

Trampoline Court Program & Test ASTM F2970
Practical Inspections at Sky Zone

State of Virginia, The Virginia Building Code Academy, Department of Housing and Community
Development, June 30, 2023

Trampoline Court Program & Test ASTM F2970

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)
Association for Challenge Course Technology (ACCT)
International Association of Trampoline Parks (IATP) Previous Membership

LANCE MILLER
Inflatable, Trampoline, and Amusement Device Expert

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

Expert Not Retained