

Leading Technologies, LLC
Consultants & Forensic Experts



Expert CV Abstracts

Leading Technologies, LLC (LT) is a professional multi-disciplined forensic organization providing local expertise to plaintiff and defense attorneys and the insurance industry. Leading Technologies experts are qualified by education, registration, and years of hands-on experience to successfully support cases and claims involving damages, defects, and personal injuries.

We are Engineers, Architects, Fire Investigators, Scientists, Technicians, Business Professionals, Criminologists, and Medical Experts of every practice.



I, Robert (Bob) Yano, PE, am the principal at Leading Technologies, LLC and am one of the 200 plus experts. I maintain a working relationship with all of the experts; all of whom were made a part of the LT team by me. I am personally involved in every case, whether I am the expert or not, and I follow the case from your initial contact to the successful close. In addition, I, or another qualified

LT Expert, provide peer-review for all our experts' reports and provide peer-oversight throughout the case. You are free to call me anytime and, unless I am in a non-cell phone area, I will get back to you within a day. My commitment and the commitment of the entire LT team is to provide you with the highest quality forensic expertise in a timely and cost-effective manner. I look forward to a successful long-term relationship with you and your firm.

Thank you for considering us.

Sincerely,

A handwritten signature in black ink that reads "Bob". The signature is written in a cursive, slightly stylized font.

P.S. We are proud to provide free consultations on all new cases and claims. Let us put one or a team of our more than 200 local experts, experienced in more than 100 disciplines, to work for you!

The association of professionals at Leading Technologies includes:

- Accounting and Economics Experts
- Agricultural and Animal Experts
- Architects
- Fire and Explosion Investigators
- Computers and Intellectual Property Experts
- Environmental and Occupational Experts
- Handwriting and Document Identification Experts
- Human Factors Experts
- Medical, Dental, Nursing and Biomechanical Experts
- Nursing Home and Assisted Living Experts
- Police and Criminal Investigators
- Psychologists and Psychiatrists
- Real Estate and Insurance Experts
- Securities and Brokerage Experts
- Sports and Recreation Experts
- Vehicle and Crash Reconstruction Experts
- Vocational and Life Care Planners
- A full complement of Engineers, including Civil, Structural, Mechanical, Industrial, Manufacturing, Mining, Automotive, Aircraft, Chemical, Electrical and Controls, Agricultural, Geotechnical, and Materials

Our experts are experienced and qualified to perform/provide:

- Documents review
- Codes and standards research
- Product and equipment inspections
- IME's (Independent Medical Exams)
- Manufacturer and product research
- Site investigations
- Police, fire and criminal investigations
- Evidence procurement and storage
- Engineering analysis and testing
- Case direction
- Professional peer- reviewed reports and visual exhibits
- Interrogatory and deposition support
- Damage and repair cost estimates
- Expert testimony
- Direct examination questions and answers

Consulting and Forensic Disciplines

- ADA Compliance
- Accounting, Economics, Securities and Brokerage
- Agriculture, Biology and Animals
- Airbags, Seat Belts, Tires and Black Boxes
- Aircraft and Equipment
- Architecture, Civil and Structural
- Bakery and Food Service
- Biomechanics, Prosthetics and Orthopaedics
- Boating and Marine
- Boilers, Turbines and Combustion
- Bridges, Dams and Mines
- Computers and Electronic Discovery
- Construction Procedures, Materials, Equipment and Work Zone Safety
- Displays, Shelving and Tables
- Electrical, Controls and Lighting
- Elevators and Escalators
- Environmental, Occupational and Toxicology
- Geology, Meteorology and Forestry
- Handwriting and Document Identification
- Highways and Railways
- Human Factors, Ergonomics, Warnings and Conspicuity
- HVAC and Fire Protection
- Industrial and Manufacturing
- Intellectual Property and Patents
- Ladders, Scaffolds and Chairs
- Life Care Planning and Vocational
- Manual and Automatic Doors
- Material Handling, Packaging and Transport
- Materials and Chemicals
- Medical, Dental, and Nursing,
- Medical Equipment
- Nursing Home and Assisted Living
- Pharmacology
- Premises Liability
- Product Liability
- Psychology and Psychiatry
- Real Estate and Insurance
- Security, Police and Criminal
- Slips, Trips and Falls
- Sports, Recreation, Amusement and Fitness
- Structure and Vehicle Fires and Explosions
- Tools, Machinery and Equipment
- Vehicles and Crash Reconstruction
- Weapons and Ballistics

Experts at a Glance

By Major Discipline Areas

Accounting, Economics, Brokerage, and Securities

Our Accounting and Securities Group includes professionals with hands-on experience in the areas of accounting, economics, securities, fraud, brokerage, audits, and valuations.

Robert E. Addington, CPA
J. Nick Augustine, JD
James John Butler
Steven R. Chapski, CPA, CFE, CSM
Alex L Constable, MBA, ASA
Kelly Joseph DeRango, PhD, MBA
Gerald A. Guild

Timothy S. Hefty, CPA, CFE, CFF, DABFA
Thomas J. Hern
Ronald W. Inman
John M. Kamins
Daniel L. Maloy, CPA
Peter J. Pfeiffer

Agricultural and Animals

Our Agricultural and Animals Group includes professional with hands-on experience in the fields, in the feed mills, in the food processing plants, and in the animal clinics. Expertise includes agricultural equipment and machinery, materials, processes, operations, and management; grain explosions; soil management; food production and processing; OSHA, USDA, and FDA regulations; biology; forestry; landscaping; aquatics; environmental surveys; horse handling; dog behavior and temperament; and animal welfare, including diseases and reproduction.

Arthur M. Brate, PE
Larry C. Brown, PhD
Cheryl A. Carlson
Malcolm K. Lim, PE
Timothy R. McGreal, PE

Thomas A. Parker, PhD
Richard W. Rau
Donald E. Sanders, DVS, DipACT, PAS
Ewen C. Todd, PhD
Robert A. Yano, PE

Architecture and Construction

Our Architecture and Construction Group includes Registered Architects and Registered Civil and Structural Engineers who are supported by our Electrical, Mechanical, and Materials Engineers. This group of experts have designed, built, and maintained residential, institutional, commercial, governmental, industrial, and manufacturing structures, facilities, and components.

Once these experts have determined the course of a construction defect or failure, it is oftentimes necessary to determine the liable party. Potential liable parties can include designers, owners, users, contractors, subcontractors, and even local building inspectors.

Damage and injuries can also be attributed to product defects, improper safety design (including ADA), work zone procedures, improper usage, natural events, or deficient contract performance.

David A. Bade, PE
James Barnhart, PE
Paul R. Bladdick, FASSE, MP
Gregory L. Boso, PE
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Duane F. Dunlap, PE
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James R. Hill, PE
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Ethan Parker, PE
Clinton Parks, PE
William Gary Rogers, CFI, LPI
Rick A. Smith, PE
Louis W. Van Liere, PE
Chad Walker
William W. Whitworth, PE
Michael T. Williams, PE
Vaughn E. Wilson, PE

Biomechanical, Biomedical, Medical, Dental and Nursing

Our Biomechanical, Biomedical, Medical, Dental and Nursing Group includes professionals with experience involving IME's; workman's comp claims; medical malpractice; environmental and occupational exposures; epidemiology; toxicology; pharmacology; psychology; psychiatry; cardiology; neurology; OB/GYN; fertility; physical therapy; ophthalmology; oral/dental surgery; geriatrics; medical equipment failures and defects; prosthetic and orthotic product defects and failures; standards of care, including nursing homes, assisted living facilities, and long-term care facilities; and patient procedures. These experts are supported, as needed, by our Certified Industrial Hygienists' (CIH's); and Environmental, Occupational, and Human Factors experts.

Timothy S. Allen, MD
Michael Armstrong, Jr. MD
Robert Belloto, Jr. RPh, PhD, CGP, FASCP
Barry J. Benjamin, MD
William M. Bisordi, MD, FACP
Theron Blickenstaff, MD
Marianne H. Boeing, RN, MSN
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Jason Brajer, MD
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Christine Bruning, MSN, RN
Michael Burnstein, MD
Jennifer Canter, MD, MPH, FAAP
Delilah Cohn, MFA, CMI
Robert Devers, PsyD
Stephen A. Falk, MD, FACS
Lisa A. Ferrara, Deng
Harvey W. Halbertstadt, MD
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Richard Frank Lavi, MD, FAAAAI, FAAP
Caryn Leifer, BA, RN, LNC, CALA
Margo L. Logan

Timothy P. Lockett, BS, RN, CNOR, CRNFA, CIC, LNC
Lawrence S. Mayer, MD, MS, PhD
Norman S. Miller, MD, JD, PLLC
Susan K. Murry, MSN, CRPN
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Tina Pavlatos, BFA
Thomas B. Peeler
Bruce Podrat, MBA, MHA
Mitchell Z. Pollak, MD, FAAOS, CIME
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A. Robert Tantleff, MD, DR, RI
Ewen C. Todd, PhD
Kevin L. Trangle, MD, FACOEM
Konstantin Walmsley, MD
Sander I. White, DDS
Schild M. Wikas, DO, DF, FAOCD
Christy L. Yano, MSN-CRNP
Scott M. Yano, PE
Nancy Zangmeister, RN, CRRN, CCM, CLCP, MSCC, CNLCP, CBIS

Computers, Document Identification, and Intellectual Property

Our Computers, Document Identification and Intellectual Property Group includes professionals with hands-on experience in the areas of computers, trademarks, patents, and all aspects of intellectual property management, handwriting analysis, handprints, and electronic data discovery (EDD). Our forensic services include systems security analysis, text search and keyword search, data recovery, image search, password recovery, hard drive scrubbing, hard drive back-up and data imaging, e-mail search and discovery, internet activity search and reports, software comparisons and infringements, and electronic risk analysis.

Andrew T. Cobb, PhD, CCE
Gerald S. Cole
John W. Hargett, III
Timothy Opsitnick

Edward John Primeau, RI
David A. Smith
Scott M. Yano, PE

Electrical and Controls

Our Electrical and Controls Group includes Registered Electrical, Controls, and Instrumentation Engineers supported by our Fire/Explosion Investigators, Architects, and Materials experts. These experts have designed, installed, tested, operated, and maintained electrical equipment, wiring, utility systems, controls and instrumentation, lighting, grounding systems and a variety of consumer, commercial, and automotive electrical products.

Our experts are especially experienced in safety and security design, warning, and interlocking procedures, since these are often the root causes of electrocutions, shocks, fires, explosions, and injury/deaths due to inadvertent equipment operation. We rely extensively on applicable national and local standards – most notably the NFPA (National Fire Protection Association) and the NESC (National Electric Safety Code).

Michael E. Creighton
James R. Heyl, PE
Norman B. Hochfeld, BS
Rollie Robert, PE

Eric A. Tolles, PE
William W. Whitworth, PE
Scott M. Yano, PE

Elevators and Escalators

Our Elevators and Escalators Group includes experts with hands-on experience with all forms of personal and product conveyances. They are supported by our Fire/Explosion Investigators; Architects; and Mechanical, Structural, Electrical, Material, and Biomechanical Engineers.

In addition to passenger elevators and escalators, these experts are experienced with personal home conveyances, freight elevators, and dumbwaiters. Their qualifications and experience includes design, manufacturing, installation, operation, and maintenance.

Oftentimes, these investigations involve controller/safety defects, improper warnings, maintenance issues, mis-levelings, and falls/trips. Our experts can assist in determining potentially liable parties, including designers, manufacturers, installers, owners, operators, service/maintenance contractors, vandals, and/or the injured plaintiffs.

Gary Easley, QEI
Jon L. Filliez
Richard A. Gregory

John W. Koshak, QEI, CEI
Steven L. Stuard, QEI

Environmental and Occupational

Our Environmental and Occupational Group includes trained and experienced professionals supported by our Fire and Explosion Investigators, Architects, and Mechanical, Civil, Chemical, Mining, and Material Engineers. Our experts are experienced in investigating leaking underground storage tanks, petroleum or chemical spills, airborne releases, sick building syndrome (SBS), lead, mold assessment, toxicology, asbestos abatement, products of combustion exposure, workplace ergonomics, waste material handling and disposal, improper labeling (MSDS's), HVAC contamination, noise, personal protection equipment (PPE), mining incidents, and indoor environmental quality (IEQ).

Theron Blickenstaff, MD
Marianne H. Boeing, RN, MSN
Christopher R. Bommarito, IAI
Donato J. Borrillo, MD, JD
Gregory L. Boso, PE
Diane S. Brown, RN
Christine Bruning, MSN, RN
Michael Burnstein, MD
Jack Butcher
Robert Devers, PsyD
Marc Green, PhD
Paul H. Gross, CCM
Ann G. Harris, CPG
Robert A. Hayes, CPG
Vanessa R. Heckman, RN, MSN, CNP, CLNC
Martin T. Hetherington, PhD
Blaine J. Hoffmann, MS, OSHM
Loretta J. Kaes, RN, BSN, LNC, CALA
Edward A. Kidston, WSL
Margo Bunnel Kunze, RN
John P. Lauhoff, PE, CSP
David E. Leonard, CA
Malcolm K. Lim, PE
Margo L. Logan
David M. Manuta, PhD, FAIC
Daniel C. Maser, CIH, CSP, ROH

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Susan K. Murry, MSN, CRPN
Joseph S. Ohr, Jr., MD, RPh
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Thomas B. Peeler
Thomas R. Piazza, CCM
Bruce Podrat, MBA, MHA
Duane B. Priddy, PhD
William Gary Rogers, CFI, LPI
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Donald Sanders, DVM, DipACT, PAS
Bert Schiller, PE, CIH, ROH
Robert B. Shuman, MD
Jack Spadaro
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Theodore M. Streit, PE
Robert S. Sugarman, PhD, PE
Michael R. Tillotson CIH, CHMM
Kevin L. Trangle, MD, FACOEM
Louis W. Van Liere, PE
Schield M. Wikas, DO, DF, FAOCD
Michael T. Williams, PE
Dennis C. Wylie, CPE
Christy L. Yano, MSN-CRNP

Fires and Explosions

Our Fires and Explosions Group consist of Fire and Explosion Investigators supported by our Mechanical, Electrical, Chemical, Mining, and Material Engineers. These Certified Investigators and qualified Engineers have the credentials and experience to determine the origin and cause of structure, vehicle, and mine fires and explosions, including arson.

All investigations are conducted in accordance with the industry standard NFPA 921 (Guide for Fire and Explosion Investigations). With or without a fire scene to examine, these experts analyze all available information to form origin and cause opinions, and provide expert reports and testimony, as required.

In addition to fires and explosions, these seasoned experts also conduct investigations involving carbon monoxide poisoning and asphyxiation. Heating, cooling, cooking, ducting, and venting systems can be examined, analyzed and tested, including all controls and safety systems.

John M. Agosti, CFEI
Paul R. Bladdick, FASSE, MP
Christopher R. Bommarito, IAI
Timothy J. Dickson, PE, SE
Todd D. Feliks, PE
Albert J. Galko, PE, CFEI
William H. Glidden, PE
Ann G. Harris, CPG
Robert A. Hayes, CPG
James R. Heyl, PE
James R. Hill, PE
Blaine J. Hoffmann, MS, OSHM
Robert C. Krause, MS, EMT-P, CFI
Tracey T. Lemmon

David M. Manuta, PhD, FAIC
Timothy R. McGreal, PE
Rob Painter, ASE, CFL, CFEI, CVFI, CFATE
William Gary Rogers, CFI, LPI
C. Shawn Saunders, PE
Rick A. Smith, PE
Jack Spadaro
Theodore M. Streit, PE
Harold Lynn Stringer, BSME
Michael R. Tillotson, CIH, CHMM
Bruce E. Van Dorpe, CFI, CFEI
James S. Wickersham, PE
Michael T. Williams, PE
Robert A. Yano, PE

Human Factors and Warnings

Our Human Factors and Warnings Group includes professionals with hands-on experience in human vision (contrast, brightness, color, speed, and distance), perception, attention, reaction time, memory, conspicuity, response, and cognition; the effects of aging; the science of man-machine interfaces, including ergonomic design principles; warnings, including ANSI requirements; design functionality, including designing for foreseeable human error; and the effects of fatigue, drugs, and alertness.

Donato J. Borrillo, MD, JD
Marc Green, PhD
Richard Hermance, FE, ACE
Daniel B. Kennedy, PhD, CPP, CSP
Thomas J. Lekan, CPP

Rob Painter, ASE, CFL, CFEI, CVFI, CFATE
Robert S. Sugarman, PhD, PE
David C. Thornburg
C. Dennis Wylie, CPE

Industrial and Manufacturing

Our Industrial and Manufacturing Group consists of Mechanical, Chemical, and Electrical Engineers, supported by our Fire/Explosion and Environmental/Occupational experts. These seasoned experts can provide guidance with respect to the rights of employees, employers, and manufacturers concerning Workers Compensation laws; International Tort Doctrines; and Premises and Product Liability. Our experts can assist in determining potentially liable parties; including employers, employees, owners, contractors, subcontractors, manufacturers, suppliers, distributors, and installers. Typical cases include: forklifts, man lifts, cranes; ladders, platforms, scaffolds, docks; material handling equipment; machine and equipment safety ; ergonomics and robotics; electrocution and lockout procedures; fires and explosions; hoists, chains, trolleys; combustion and ventilation systems; air and water emissions.

Daniel E. Barker, BSME
Theron Blickenstaff, MD
Christopher R. Bommarito, IAI
Donato J. Borrillo, MD, JD
Christine Bruning, MSN, RN
Marc Green, PhD
Paul H. Gross, CCM
Vanessa R. Heckman, RN, MSN, CNP, CLNC
James R. Heyl, PE
James R. Hill, PE
Norman Hochfeld, BS
Blaine J. Hoffmann, MS, OSHM
John P. Lauhoff, PE, CSP
George Levosinski, PE
David M. Manuta, PhD, FAIC
Daniel C. Maser, CIH, CSP, ROH
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Susan K. Murry, MSN, CRPN
Matthew J. A. Nousak, PE
Joseph S. Ohr Jr., MD, RPh
Nadine Otterman
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Thomas R. Piazza, CCM

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Rollie Robert, PE
Cecil Robinson
William Gary Rogers, CFI, LPI
Sheila M. Roof, BSN, RN, CNML, LNC
Barry S. Rope
Donald Sanders, DVM, DipACT, PAS
Bert Schiller, PE, CIH, ROH
Jim Scott
Robert B. Shuman, MD
Rick A. Smith, PE
Henry A. Spiller, D.ABAT, D.ABFE
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Harold Lynn Stringer, BSME
Robert S. Sugarman, PhD, PE
Michael R. Tillotson, CIH, CHMM
Eric A. Tolles, PE
Kevin L. Trangle, MD, FACOEM
Chad Walker
James S. Wickersham, PE
Schield M. Wikas, DO, DF, FAOCD
Christy L. Yano, MSN-CRNP
Robert A. Yano, PE

Police, Criminal and Security

Our Police, Criminal and Security Group consists of experts with in-service experience involving police training; arrest, jail, and prison procedures; weapons and ballistics; assaults; DUI, including testing; drug interdiction; EMS procedures; surveillance; DNA and polygraph testing; security measures and techniques; crowd control; and private investigations (including undercover, photography, interviews, background checks, skip-trace, and serving legal documents). These experts are supported, as needed, by our Fire and Explosion Investigators; Toxicologists; Psychologists; Psychiatrists; Private Investigators, and Human Factors experts.

Timothy A. Dimoff, CPP, LPI
Harvey W. Halbertstadt, MD
James Gilbert Houston, PhD
Steven C. Howard
Daniel B. Kennedy, PhD, CPP, CSP
Theodore D. Kessis, PhD
Robert C. Krause, MS, EMT-P, CFI
Thomas J. Lekan, CPP
Terry D. Lewis, PI

Gary A. Mattiacci, CAR, CTAI, LPI
Michael C. Mullins, LPI
John R. Nixon, PE
Rob Painter, ASE, CFL, CFEI, CVFI, CFATE
Edward John Primeau, RI
John Schmidt
David A. Smith
Alfred E. Staubus, PhD, PharmD
Ralph W. Witherspoon, CPP

Premises Liability

Our Premises Liability Group includes Architects, Fire/Explosion Investigators, and Civil, Structural, Mechanical, Agricultural and Electrical Engineers, with support from Materials, Visibility, Human Factors, Meteorological, Environmental, Recreational/ Amusement, and Police/Criminal Experts. These experts offer comprehensive investigations involving the design, construction, operation and maintenance of residential, commercial, institutional, government, industrial, and manufacturing facilities. Our experts also provide guidance with respect to "Open and Obvious" conditions and "Intentional Tort," and the application of these legal doctrines to specific incidents. Common cases include: slips, trips, and falls; water intrusion; manual and automatic doors; shelving, displays, and falling materials; A & E professional liability; fires and explosions; warning signs; occupational and environmental hazards; recreational and amusement facilities liability; adequate illumination; ADA compliance; electrical defects; building equipment defects and damage; elevators and escalators; stairs, platforms, decks, and docks; security procedures; and work zone safety.

Paul Albanese, ASGCA

David A. Bade, PE

Daniel E. Barker, BSME

James Barnhart, PE

Doug Baumgarten, CHFD, CMES, CPES

Michael Baumgartner

Paul R. Bladdick, FASSE, MP

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Jack Butcher

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Stephen K. Li, RA

Malcolm K. Lim, PE

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Chad Walker
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Schield M. Wikas, DO, DF, FAOCD
Michael T. Williams, PE
Vaughn E. Wilson, PE
Ralph W. Witherspoon, CPP
Christy L. Yano, MSN-CRNP
Robert A. Yano, PE

Product Liability

Our Product Liability Group includes Mechanical, Materials, and Electrical Engineers supported by our Warnings and Human Factors experts. These experts have designed, manufactured, tested, and repaired a wide variety of consumer, industrial, agricultural, mining, recreational, construction, food service, and medical products. Common products include: household appliances; children's products and toys; machinery (design, guard, warn); refrigeration and freezer systems; forklifts, man lifts, cranes, conveyors; hoists, trolleys, chains; ladders, stepstools, tables; scaffolds, tree-stands; shelving, racks, displays; bicycles, strollers; furniture, chairs; elevators, escalators; clothing; power tools, yard equipment; boats, ski jets, snowmobiles; tents; sports and recreational equipment; playground and amusement park equipment; automatic and manual doors; and farm equipment.

John M. Agosti, CFEI
Daniel E. Barker, BSME
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Mike Baumgartner
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Paul R. Bladdick, FASSE, MP
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Todd D. Feliks, PE
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Seth Francis, HPET
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Thomas J. Hern

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Thomas R. Piazza, CCM

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Bert Schiller, PE, CIH, ROH
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David S. Smith, PhD
Rick A. Smith, PE
Jack Spadaro
Henry A. Spiller, D.ABAT, DABFE
Herbert J. Stern, MD, FACC, FSCAI
Wendy R. Steusloff, RN, ASN, LPN, ALNC
Theodore M. Streit, PE

Harold Lynn Stringer, BSME
Steven L. Stuard, QEI
Shane Tecklenburg, AAEM
Michael R. Tillotson, CIH, CHMM
Ewen C. Todd, PhD
Kevin L. Trangle, MD, FACOEM
Chad Walker
Robert P. Walson, PhD
William W. Whitworth, PE
James S. Wickersham, PE
Schield M. Wikas, DO, DF, FAOCD
Michael T. Williams, PE
Christy L. Yano, MSN-CRNP
Robert A. Yano, PE
Scott M. Yano, PE

Real Estate and Insurance

Our Real Estate Group includes professionals with expertise and experience in the areas of real estate appraisals, transactions, devaluations, and inspections, including U. S. Department of HUD compliance regulations.

Our Insurance Group includes professionals with expertise and experience in the areas of insurance coverage, claims, underwriting, disputes, breach of contract, bad faith, risk management, marketing, insurance law, policy form and formats, and workers compensation for individuals, families, and businesses.

James John Butler

Steven R. Chapski, CPA, CFE, CSM

Burke Christensen, KJ, CLU

William R. Feldhaus, PhD, CPCU, CLU

Timothy S. Hefty, CPA, CFE, CFF, DABFA

Ronald W. Inman

John J. Murphy, Jr.

Michael E. Schack, CCIM

William J. Warfel, PhD, CLU, CPCU

Sports and Recreation

Our Sports and Recreation Group includes Mechanical, Civil/Structural, Electrical, Materials, Human Factors, Biomechanical, and Medical experts with expertise in a wide range of physical activities including playgrounds; skating (ice and roller); go-carting; off-roading; boating; mountain climbing; amusement parks and rides; snowmobiling; baseball; bicycling; hang-gliding; tennis; skiing (snow and water); sledging; softball; swimming and diving; and golfing.

Oftentimes, these investigations involve the design, operation, maintenance, and supervision of sport facilities or the design, manufacturing, maintenance, testing, and warning labeling of sports equipment. Our experts are experienced in handling these various aspects for both property damage and personal injury incidents. In addition, our experts can assist in determining potentially liable parties, including designers, manufacturers, installers, owners, operators, service/maintenance contractors, and/or the injured plaintiff(s).

Paul Albanese, ASGCA

Doug Baumgarten, CHFD, CMES, CPES

Jeff A. Davis

Lisa A. Ferrara, DEng

John Frackelton, ASE, MVIC, SSC

Richard Hermance, FE, ACE

Tom Sawyer EdD, NAS, AAHPERD

Malton A. Schexneider, PT, MMSC

Davis S. Smith, PhD

Dennis Toaspern, MAR, MCI

Trent Waldron

James S. Wickersham, PE

Vehicles and Crash Reconstruction

Our Vehicles and Crash Reconstruction Group includes vehicle, highway, and human factors experts supported by our tires, materials, biomechanical, illumination, meteorology, "black box", mechanics, and fire and explosion experts. The input of all these experts provides the needed information for our crash reconstruction experts to perform complex crash reconstruction analyses and provide demonstrative evidence for courtroom testimony. These experts have analyzed all types of crashes involving cars, trucks, trailers, buses, recreational vehicles, motorcycles, bicycles, boats, ATV's, and pedestrians. We can tow and store vehicles and analyze all types of suspected vehicles defects, including brakes; suspension; tires; steering; engines and drive trains; heating and cooling systems; computers, electrical, and controls (including "black boxes"); stability systems; air bags and seat belts; fuel systems; exhaust systems; body and frames; and interior components, including seats, dashes, and protrusions.

John M. Agosti, CFEI
David A. Bade, PE
James Barnhart, PE
Timothy A. Dimoff, CPP, LPI
Gary A. Derian, PE
Duane F. Dunlap, PE
Lisa A. Ferrara, Deng
John Frackelton, ASE, MVIC, SSC
Seth Francis, HPET
William H. Glidden, PE
Marc Green, PhD
Paul H. Gross, CCM
Dave Harris, ACTAR
Richard Hermance, FE, ACE
Thomas J. Hern
James R. Heyl, PE
Joseph A. Incavo, PhD
Robert C. Krause, MS, EMT-P, CFI
George Levosinski, PE
Terry D. Lewis, PI
Gary Mattiacci, CAR, CTAI, MAT

Timothy R. McGreal, PE
Randy D. Merillat, MAT
Lawrence W. Moriarty
Rob Painter, ASE, CFL, CFEI, CVFI, CFATE
Ethan Parker, PE
Thomas B. Peeler
Thomas R. Piazza, CCM
Duane B. Priddy, PhD
William Gary Rogers, CFI, LPI
C. Shawn Saunders, PE
John Schmidt
Jim Scott
Harold Lynn Stringer, BSME
Robert S. Sugarman, PhD, PE
Shane Tecklenburg, AAEM
David C. Thornburg
Dennis Toaspern, MAR, MCI
Robert P. Walson, PhD
C. Dennis Wylie, CPE
Robert A. Yano, PE

Vocational and Life Care Planning

Our Vocational and Life Care Planning Group includes professionals with hands-on experiences in the areas of vocational testing and life care planning (including data analysis of medical, financial, and educational needs). Our services include Rehabilitation Plans, Vocational Testing, Loss of Earnings, and Medical and Psychological Data Interpretation.

Marianne H. Boeing, RN, MSN,
CLCP

Kelly Joseph DeRango, PhD, MBA

John A. Pullman, M.Ed., CRC

Rachael Xiong, CRC

Nancy Zangmeister, RN, CRRN, CCM,

CLCP, MSCC, CNLCP, CBIS

Leading Technologies, LLC

Expert CV Abstracts

Robert E. Addington, CPA; Accountant

Accounting services; bankruptcy; income, sales, withholding and intangible tax audits; business valuations; divorce settlements; business interruptions and lost sales and profits; mergers and acquisitions; restaurant accounting; real estate and business financing; IRS negotiations; courtroom testimony.

John M. Agosti, CFEL; Fire and Explosion Investigator

Structure fires; vehicle fires; fire deaths and injuries: evidence collection and spoliation; witness interviews; still and video photography; building and fire codes; life safety code violations; smoke, fire, and carbon dioxide detector and alarm issues; fire spread issues; fire sprinklers, walls, and doors; fire exits and illumination; fire prevention analysis; fire department practices; firefighter deaths, injuries, and safety; origin and cause including structures, vehicles, equipment, and marine; insurance claims and criminal cases involving theft, fires, fraud, and conspiracies to commit arson; electrocutions; investigation of bombings and incendiary fires; boiler and furnace fires and explosions; LP and natural gas fires and explosions; kitchen range fires; spontaneous combustions; electrical fires, including automobile, truck, boats, and equipment; fireplace, flue, and chimney fires; home appliance fires; industrial fires and explosions.

Paul Albanese, ASGCA; Golf Course Design Management Expert

Golf course design, construction, management, operations, and maintenance; resort master plans; clubhouse planning; residential planning; public park planning; practice facilities; ski mountainside design; maintenance crew management; mowing operations; permitting and financing; turfgrass science; landscape architecture; golf course grading and draining; brownfield design.

Timothy S. Allen, MD; Psychologist

Psychology; traumatic brain injury; medical malpractice; standard of care; suicide; informed consent; medical ethics; worker's compensation; medical licensure review; fitness for duty; dangerousness assessment; competency to stand trial; criminal responsibility; employer consultation – workplace violence; post-traumatic stress disorder; accommodation for standardized examinations (ADA); mood disorders; child custody evaluations; child testimony; antidepressants; personality disorders; insanity defense; anxiety disorders; repressed memories; psychopharmacology; depression; psychiatric evaluations; telepsychiatry; effects of cocaine; effects of carbon monoxide poisoning; anxiety disorders; panic disorders; antisocial personality disorders.

Michael Armstrong, Jr. MD; Medical and Plastic Surgeon

Medical surgery, including sinus, plastic, cosmetic, reconstructive, and laser; Otolaryngology; ENT; non-ablative cosmetic laser; skin care; IPL services; nasal endoscopy; allergy testing; sinus CT; balloon sinuplasty; hearing aids; infection control; head and neck tumors; ChiselTip suction cautery; tonsillectomy; medialization thyroplasty; endoscopic orbital decompression; Graves disease; image-guided sinus surgery; frontal sinus drill-out; endoscopic ligation; endoscopic laser tear duct surgery; parotid surgery; palatal stiffening; transnasal esophagoscopy; injection snoreplasty; genioglossus advancement; hyoid myotomy; drug-eluting sinus stent; balloon catheters; laryngoscopy; radiographic imaging; HIV infection; polymorphonuclear leukocytes; endoscopic dacrocystorhinostomy; sphenopalatine artery ligation; Bell's Palsy; ear wax and swimmers' ear; otitis media; tinnitus; vertigo; septoplasty; nose bleeds; snoring; lesions of the oral cavity; hoarseness and dysphagia; skin cancer reconstruction; allergic rhinitis; anaphylaxis; skin cancer; nasal steroids; acute and chronic bacterial sinusitis; acute and chronic otitis media; pneumococcus; coblation tonsillectomy; ototoxicity of antimicrobial ear drops; antihistamines; obstructive sleep apnea; allergic rhinitis; spastic dysphonia.

J. Nick Augustine, JD; Publicity, Marketing, and Public Relations Expert

Publicity; public relations; firm branding; media marketing; advertising; management systems; auditing; social networking; consumer psychology.

David A. Bade, PE; Civil Engineer

Commercial, retail, institutional, and industrial building design, construction, and maintenance; hoist, rigging, and crane design, operations, and supervision; highway and heavy civil construction; job site safety; supervision of construction trade labor; bridges; excavations and deep shaft construction; form work, bracing, rigging and shoring systems; road widening; intersection improvements; water and sewage treatment facilities; underground utility, pipeline, mass excavation and open-cut trenching; wetlands and flood plains investigations; shallow and deep foundation systems; building and land development; tunnels, caissons, and cofferdams; earth embankments, dams, retaining walls, earth fill, and landfills; structural concrete; water intrusion; environmental assessments; traffic assessments; tower design; road messaging systems; construction estimates; asphalt and concrete paving; concrete parking structures.

Daniel E. Barker, BSME; Mechanical and Industrial Expert

Mechanical system malfunctions and defects; product failures; industrial equipment electrical and mechanical safety incidents, including OSHA and UL listing requirements; aircraft flight instruments; design and testing of high volume production automotive engine components; water and air treatment systems; home appliance design, including refrigerators and vacuums.

James E. Barnhart, PE; Civil Engineer and Bridge Expert

Construction practice including bridge and highway design, construction, repair, maintenance, inspection, and demolition; concrete technology including production, preparation, installation, finishing, testing, maintenance, and repairs; bridge technology instructor; insurance investigator.

Douglas B. Baumgarten, CHFD, CMES, CPES; Exercise and Fitness Expert

Recreational facilities, design, operation, and maintenance; exercise equipment; codes and standards; sports risk management; incident reconstruction; warnings liability; supervision liability; standard of care liability; personal coaching and training; fitness testing; instructor training.

Michael Baumgartner; Tent Expert

Tent layout, installation, repair, maintenance, inspection, and tear-down; tent technology trainer including usage during adverse weather conditions; tent operations for sizes ranging up to 10,000 square feet.

Robert Belloto, Jr., RPh, PhD, CGP, FASCP; Pharmacology Expert

Toxicology and pharmacokinetics concerning drug warnings, interactions, and reactions; medication therapy management services; reviewing patient charts; drug therapy recommendations; drug therapy monitoring; drug information services; contract instructional services; pharmaceutical calculating; admixtures and chemotherapy treatments; antibiotics; thromboembolism, arrhythmias, sleep disorder, biostatics, and schizophrenia studies; Intoxylizer 5000, 8000 and BAC DataMaster breath testing; urine alcohol testing; anticoagulation therapy; geriatric pharmacology; lipid management; child pharmacokinetics; aging drug effects; statins; strokes; pharmacotherapy; antimicrobial therapy; nutritional standards; neuro-oncology.

Barry J. Benjamin, MD; Otolaryngology Expert

Otolaryngology – Head and Neck; eyes and ears; electrocardiography; coronary artery occlusion; skin grafts; closure of circular defects; treatment of trapdoor deformities; industrial hygiene; microdebrider tonsillotomy; electro-surgical tonsillectomy; postoperative pain.

William M. Bisordi, MD, FACP; Gastroenterology/Internal Medicine Expert

Gastroenterology; hepatology; internal medicine; Esophagus: surgery, endoscopic procedures, GERD, perforation, cancer, varices; Stomach: ulcer, NSAIDS, cancer, H.pylori; Small intestine: Crohn's disease, malabsorption, obstruction; Colon: perforation, polyps, cancer, diverticulosis, ulcerative colitis; Anal: rectal disease- hemorrhoids, fissures, cancer, sexually transmitted disease ; Liver: cirrhosis, metastatic cancer, metabolic disease, hepatitis; Gall bladder: laparoscopic cholecystectomy, cholecystitis; Pancreas: ERCP, pancreatitis, malignancy.

Paul R. Bladdick, FASSE, MP; Master Plumber Expert

Plumbing systems including plumbing codes and standards; fuel gas explosions; backflow device testing; plumbing technical training; plumbing construction management; welding technologies; combination and mixing valves; sewer design and control; fire protection systems.

Dr. Theron Blickenstaff, MD, FACOM; Medical, Occupational, and Environmental Expert

Workers Compensation; Social Security disabilities; toxic tort; product liability; indoor air quality; mold; workplace exposures; lung diseases; cleaning chemicals inhalation and ingestion; a plastic anemia; epidemiology; exposure limits; carcinogens; reproductive hazards; Material Safety Data Sheets (MSDS); risk assessments; chemical sensitivities; idiopathic environmental intolerance; fitness-for-work examinations; communicable diseases; general preventative, environmental, and occupational medicine.

Marianne H. Boeing, RN, MSN, CLCP; Nursing Expert

Patient care and nursing practices, including medical facility “standard-of-care” procedures; assess individuals with severe, catastrophic disabilities determining needs for care, equipment and services; trans-disciplinary consultation; Life Care Plans; spinal cord injuries; traumatic brain injuries; birth injuries; chronic diseases; dysrhythmia monitoring; organ transplantation needs; amputation and prosthetic needs; “high-tech” home and facility care issues; case management services to implement Life Care Plans; total patient care in critical care units, including medical, surgical, cardiac and telemetry.

Christopher R. Bommarito, IAI; Scientist/Chemist

Forensic science and chemistry; trace evidence analysis; analytical methods including GC-MS, SEM-EDS, FTIR, HPLC, IC, and GC; wet chemistry; crime scene reconstruction; clandestine drug laboratory investigations; drug analysis; paint analysis; fiber and wood analysis; glass analysis; soil analysis; bloodstain pattern analysis; scanning electron microscopy; crime scene search; stereochemistry and chromatography; explosive residue and pyrotechnics; footwear and footprints; controlled substances; fire debris analysis; knots and ligatures; tire impressions; forensic photography; spectroscopy and microscopy; forensic entomology; human remains decomposition; airbag analysis; lamp examinations.

Donato J. Borrillo, MD, JD; Medical and Human Factors Expert

Aerospace medicine, including human factors, medical certification, sudden incapacitation, time of useful consciousness, and aviation accident investigation; occupational medicine, including IMEs and Med Review Officer drug screen questions; hyperbaric medicine, including carbon monoxide exposure and dive accidents; wound care, including decub wound prevention and healing, chronic wound care and diabetic wound care; FAA training and evaluations.

Gregory L. Boso, PE; Civil Engineer

Potable water, wastewater, and storm water; culverts; landslides; foundations; hydrologic and hydraulic analyses; flood plain management; water collection, pumping, treatment, distribution, and storage; residential, commercial, and industrial site development; blasting; transportation engineering; building construction; building code administration and enforcement; building inspections; trusses and sheathing; fences; hazardous materials; construction project resident engineering; fire fighting and training; emergency vehicle operation.

Jason Brajer, MD; Anesthesiology and Pain Management

Anesthesiology; pain management; critical care; blood utilization; invasive procedures; pharmacotherapy; cardiovascular; obstetrics; surgery; medical examiner; airway obstruction; tracheal intubation; urinary catheter; high-risk parturient; intra-operative monitoring; endotracheal intubation; fluid balance and volume resuscitation; awareness under anesthesia; epidural and intrathecal narcotics; myocardial ischemia; thoracic aneurysm; trauma; cardiopulmonary bypass; ventricular aneurysmectomy; intra-aortic balloon pump; intravenous agents; physiology; analgesia.

Arthur M. Brate, PE; Agricultural Engineer

Water drainage; hydrology; site development; environmental planning; flood control; dams; channels; levees; surface and subsurface water flows; agricultural and urban drainage problems; field topographic surveys; erosion control structures; construction inspection; land improvement; soil and water conservation; soil bio-engineering; damaged streams; hypoxia; grassed waterways; automated control structures.

Diane S. Brown, RN; Patient Health Care Expert

Patient health care including acute and critical care nursing; coronary care; post-operative open-heart surgery; assisted-living care; nurse training and supervision; LCC standards; federal, state and local regulations; nursing home and long-term care.

Larry C. Brown, PhD; Agricultural Engineer

Agriculture and farms including equipment, materials, and operations; food and biological engineering; hydraulics, including land drainage, irrigation and erosion; soil and water management; land use assessment; wetlands; water quality; environmental surveys.

Christine Bruning, MSN, RN; Nursing Expert

Patient care; nursing practice; OB labor and delivery; perinatal woman's health; nursing management and leadership; clinical research and practice; postpartum care; nursery care; birth center deliveries; childbirth education; caring for newborns; pediatrics; medical surgery.

Michael Burnstein, MD; Medical Psychiatry Expert

Forensic psychiatry; child and adolescent psychiatry; competency determinations; insanity evaluations; commitment to hospitalization; danger and suicide assessments; independent psychiatric evaluations; medical malpractice; mental health law; sexual harassment; correctional facility and prison mental health; restraint and seclusion of patients; school mental health, special education; mental retardation, autism, asbergers syndrome; family violence; post-traumatic stress disorder; disability evaluations and workers compensation.

Jack Butcher; Arborist

Tree felling safety procedures; timber trespass; tree valuations; landscape restoration plans and cost; comprehensive land use planning; pest and disease control; stump removal; hazard tree identification; landscape design, installation, and maintenance.

James John Butler; Banking, Financial, and Real Estate Expert

Banking and financial operations, transactions, and fiduciary responsibilities; investor relations; pricing negotiations; profitability models; ROA and ROE projections; loan and mortgage reviews; credit analysis; training seminars; refinancing, restructuring, and amortization – strategy workouts; lending and mortgage transactions, including Asset-Based, Commercial Real Estate, Syndications, Mezzanine/Bridge, and C & I; credit investigations; loss mitigation; asset management; credit risk tolerance; loan servicing; default and distressed asset management; REO acquisitions and dispositions; cash flow analytics; profitability models; financial spread software; real estate asset management; dispensation of troubled assets and related loans; credit loan applications and renewals; loan covenant tracking; risk rating; credit reviews; LAN administration; collateral analysis; cash flow analysis; Inmatrix and Symbiant credit-risk management software; due diligence; economic loss; fraudulent activity; mail and wire fraud; foreclosures.

Cheryl Ann Carlson; Dog Expert

Dog behavior, standard-of-care, and temperament; attacks and bites; police K-9, including drugs and explosives detection training; breeding, training, and boarding; protection and security; certification and judging; emergency medical services.

Steven R. Chapski, CPA, CFE, CSM; Economist and Accountant

Accounting services; tax services; bankruptcies; economics; financial statements; budgets; forecasts; audit reviews; tax returns (individual, partnership, corporate, and fiduciary); interactions with external auditors; reconcile accounts; business valuations; fraud; embezzlement; age discrimination; fee disputes; employee contracts; asset valuation and recovery; business interruptions; cash-flow projections; gift valuations; intangibles valuation; software audits; wrongful discharge; lost wage valuation; alimony and child support; divorce settlements; retail accounting; receivables analysis; asset valuation and recovery; inventory damages; trust administrations; royalties; commissions.

Burke A. Christensen, KJ, CLU; Insurance Expert

Insurance loss claims; risk management; property-liability; life-health; insurance agency operations; estate planning; special insurance problems; marketing and sale of insurance products; market conduct compliance; federal regulatory bodies; social security; tort law; ethical issues; post-claim underwriting; agent liability; term, universal, and variable life insurance policies; risk management; employee benefits.

Jennifer Canter, MD, MPH, FAAP; Child Abuse, Child Safety and Child Product Expert

Pediatrics; child abuse; child safety; child products, including toy and food product design and safety; physical abuse; sexual abuse; child neglect; medical child abuse; child fatalities; Multi-Disciplinary Team (MDT) protocols and procedures; abuse in schools and foster care; Alternate Light Source (ALS) technology; child protection; educational research and policy development; acute care; clinical oversight; medical assessments; protective services and law enforcement; educational and safety materials; interpretation of injuries; risk perception; maternal perceptions; infant safe sleep; sub-clinical bruising; shaken baby syndrome; policy and protocol development; pediatric autopsies; choking; burns; HIV and sexually transmitted diseases; preservation of pediatric forensic medical evidence; non-accidental trauma; abuse imitators; developmentally disabled abuse; emergency room abuse; Down Syndrome; head trauma; female anatomy and symptomatology; caseworker orientation.

Andrew T. Cobb, PhD, CCE; Intellectual Property Expert

The discovery of electronic documents; computer forensics; the preservation, identification, extraction, documentation, and interpretation of computer data; software analysis; Java programming; Web Application Modeling (UML); Object-Oriented Analysis and Design (OOAD); Unified Process Methodology; ontology; object-oriented software measurement; defect identification and management; technology disputes; software architecture, process, and quality; security auditing; secure programming; web usability; quality assurance; backup/recovery and maintenance; TCP/IP-based applications; web development; Rational Unified Process (RUP); analog and digital electronics; electrical power and machinery; computer programming; electrical controls; medical imaging research; embedded controllers.

Delilah Cohn

Medical, anatomical, surgical, and general illustrations; mechanisms of injuries and surgeries; liaison between doctors and lawyers; enhanced radiographs; timelines; interactive exhibits; animation and rotating 3D reconstructions; 3D models; halftone and color illustrations; story boards; audiovisual programs; photography; computer graphics.

Gerald S. Cole; Certified Latent Print Examiner

Comparison and identification of fingerprint impressions; training; international technical assistance; crime scenes; AFIS computer database; Life Scan computer; counterfeit documents; laboratory reports; photography laboratory.

Alex L. Constable, MBA, ASA; Economist

Economic damages calculations; wrongful death; personal injury assessments; wrongful termination; business interruptions; royalty rates; intellectual property claims; lost earnings capacity analyses; valuation and statistical analyses; employment law cases.

Steven R. Copeland, RA; Architect

Architecture and facilities including design, construction and maintenance; buildings including floors, roofs, walls, windows, stairs, railings and ramps; parking lots; sidewalks; docks and platforms; ladders and scaffolding; ANSI and OSHA design and construction deficiencies; ADA compliance; professional liability (EandO); slips, trips and falls; gates and entrances; zoning regulations and variances; damage investigations including fire, water, and hail; kitchens, restaurants and food courts; retail facilities, including malls; cemeteries.

Michael E. Creighton; Electrician

Electrical design, specification, installation, maintenance, renovation, and troubleshooting in residential, commercial, and industrial applications.

Chadwick R. Curry; Visual Communications Expert

Visual communication presentations including: animation, 3D modeling, graphic design, computer ACAD and multimedia; effectively communicate technical data, educational materials, forensic information, building and land development plans and commercial designs; produce accurate demonstratives for jury trials based on forensic investigations, data, expert analysis, and attorney's strategies; work extensively with the legal, engineering, architectural, scientific, commercial and industrial, educational, corporate and land and building development communities.

Jeffrey A. Davis; SCUBA Diving Expert

Certified SCUBA diver; SCUBA services including operations, repairs, training and rescue operations; CO, CO2 and O2 poisoning; air embolism; nitrogen narcosis; PADI Master Instructor; SSI (SCUBA Schools International) Instructor Certifier; equipment techniques; search and recovery; public sector training; navigation; dive control specialist.

Gary A. Derian, PE; Vehicle/Tire Expert

Tire design and failure analysis; vehicular crash reconstruction; safety systems; traction capability; road surfaces; product failures; vehicle engineering; crash-worthiness; race cars; tuning; tire fitment; automobile manufacturing; computer controls; robotic applications; industrial safety; OSHA, CE, QS & ISO Standards; automotive body, chassis, interior, suspension, electrical components; FMVSS regulations; seat belts; air bags; training programs for police, fire and ambulance drivers; tire testing; vehicle dynamics; vehicle handling; aircraft escape slides.

Kelly Joseph DeRango, PhD, MBA; Economist

Economic damages calculations and economic analysis, concentrating on wrongful death, personal injury, wrongful termination, and employment law cases.

Robert J. Devers, Psy D; Child/School Psychologist

Juvenile justice system; child death reviews, including SIDS; school/emergency crisis response; physical interventions; motivational interviewing; bi-polar diagnoses and treatment; historical trauma/inter-generational oppression; medical/physiological bases of addictions; child sexual abuse treatment; cognitive behavioral treatment OCD, PTSD; head start mental health provider training; working with eating disorder clients; dynamics of step families; treatment of abused and neglected children; disruptive behavioral disorders treatment; behavior management/recipient rights; treatment of developmentally disabled sexual offenders; therapeutic interventions with children; FAS & FAE diagnosis and treatment.

Timothy J. Dickson, PE, SE; Civil/Structural Engineer

Civil/structural engineering; field investigations; laboratory studies; commercial and residential buildings and bridges constructed of reinforced concrete (conventional, pre-stressed and post-tensioned), structural steel, masonry and timber; foundation underpinning systems; earth retention systems using soil nail walls, segmental retaining walls and sheet piles; structural failures/collapses; water infiltration; roofing failures; building façade evaluations; work zone safety; windows, doors, floors, stairs, and ramps; fire, wind, ice, and snow damage; professional liability claims; preparation of construction documents; evaluation of field test-data; property loss; construction defects; natural gas explosion damage; building settlement; deteriorated concrete and masonry; building rehabilitation and renovation; high wind, tornado, and blizzard damage; precast concrete planks; structural steel frames; fatigue and static performance tests; jointless bridges; parking garage rehabilitation; bracing failure investigations.

Timothy A. Dimoff, CCP, LPI; Security, Safety, and Police Expert

Security, safety, and police procedures; security systems planning, management, and evaluation; crime foreseeability; standards of care; causation issues; use of force; police pursuits; jail incidents; weapons use; failure to protect; drug and alcohol policies and testing; dram shop liability; corporate internal investigations; labor disputes and strikes; management training and development; security assessment and vulnerability issues; pre-employment screening and background checks; sexual harassment; workplace violence; crises management; executive security; human resource issues; corporate security; management training/employee education; arrest procedures; use of force/self-defense/escalation of force; vehicle pursuit procedures; narcotics investigations/enforcement; patrol procedures; traffic enforcement procedures; accident investigations; internal investigation procedures; alternative weapons use; defensive driving; electronic restraint devices; aerosol projectors; martial arts; K-9 handler and trainer; DOT training; crack houses; clandestine labs; search warrants; dock and warehouse theft; fraud investigations; school violence and prevention.

Duane F. Dunlap, PE; Mechanical Engineer and Roadway and Railway Expert

Roadway and railways including design, installation, maintenance and usage; highway and railroad safety; operations research; mechanics; accident reconstruction including large trucks; railroad and highway crossing accidents; driver sound detection capabilities; roadside signage and signals; roadside structures including guardrails, signposts, impact attenuators, earthen median dikes and barrier curbs; tire and road traction research including studded tires; influence of highway curves and grades; vehicle handling characteristics; collision avoidance maneuvers; conspicuity and lighting systems; vehicle and locomotive braking characteristics; train crew actions; traffic engineering; human factors; warnings; locomotive whistle characteristics; driving task analysis; pedestrian, bicycle, and motorcycle safety and accidents.

Gary Easley, QEI; Elevator and Escalator Expert

Elevator damage, malfunction, and personal injury; root cause failure analysis; supervision of mechanics, pipe fitters and electrical and instrument craftsmen; certification, inspection and record keeping of ASME, state regulations, and/or OSHA regulations.

Stephen A. Falk, MD, FACS; Otolaryngology; ENT Expert

Biostatistics; epidemiology; otolaryngology – head and neck surgery; thyroid; parathyroid; cancer; otology; nose and sinus; sleep apnea and snoring; facial plastics; trauma; cranial nerves; post-thyroidectomy hypocalcemia; hypoparathyroidism; calcium metabolism; hyperthyroidism; radiation-induced thyroid cancer; multiple endocrine neoplasia; use of calcitonin; peripheral nervous system; Graves Disease; acupuncture; xerostomia; peripheral nervous system; physiology; pathophysiology and diseases; annotology; rhinology; reconstructive surgery; laryngeal nerve; endocrinology; preceptor for cadaver dissection; neuroanatomy; cell biology; noise pollution; nuclear medicine and radiotherapy; methyl mercury ototoxicity.

William R. Feldhaus, PhD, CPCU, CLU, Insurance Expert

Insurance losses, property damage; punitive damage; personal injury; bad faith; coverage evaluation; arbitration/mediation; auditing; risk management; loss settlements; guaranty fund assessments; hold harmless agreements; liability risk; surplus lines; environmental risk; regulations; catastrophe risk; disability benefits; workers compensation; valuation errors; cross subsidies.

Todd D. Feliks, PE; Civil Engineer

Hospital, healthcare, and educational building design and construction, including flooring, painting, lighting and ceiling replacement; building standards and code compliance, including ADA, ANSI, NFPA, BOCA, IBC, and OSHA; professional liability issues and standards of practice; clean rooms and operating rooms; project contracts, including shop drawings, submittals, bid and project documents, and change orders.

Jason M. Ferguson; Funeral Home and Cemetery Expert

Manage all lot sales (pre-need & at-need); arrange for ground burial services; survey, excavate, and prepare grave spaces for traditional and cremation interments; maintain electronic records of sales, deeds, and interments; lay out and construct concrete foundations for monuments; removals of the deceased; meet families for funeral arrangements and sale of merchandise; negotiate funeral contracts; assist in the preparation of the body for final disposition; manage visitations; assist at funerals; obtain and file death certificates/ permits; record keeping; manage business finances; monument sales; administer the cremation process of human remains; manufacture concrete vaults; transport, seal, and inter vaults within graves at various cemeteries; assist in disinterment/ re-interment process for exhumation or relocation purposes; deliver caskets to funeral homes.

Lisa Ferrara, DEng; Biomedical Engineer

Musculoskeletal injuries, including soft tissue injuries, trauma induced injuries, spinal disorders and trauma; biomechanical behavior of the brain and head; defective helmets and associated brain injuries; spinal injuries; etiologies that affect the central nervous system; sensory loss; child abuse; shaken baby syndrome; the effects of substance abuse on the brain.

Jon L. Filliez; Elevator and Escalator Expert

Elevator and escalator maintenance, service and repair; elevator and escalator damage and malfunction evaluations; long range elevator modernization projects.

Larry Fischer, RA, AIA, NCARB; Architect

All stages of planning, design, and construction supervision for healthcare, educational, corporate, commercial, industrial, and residential buildings; zoning compliance; ANSI and Life Safety Code compliance; ADA compliance; architectural professional liability issues and standards of practice; clean and vibration-free rooms; personal injury and property damage investigations.

John Frackelton, ASE, MVIC, SSC; Motorcycle, ATV, and Snowmobile Expert

Motorcycle, ATV, and snowmobile operations and functions; crash reconstruction; steering, suspension, tires, wheels, and brakes; operator performance evaluations; mechanical, structural, materials, and electrical system malfunctions and defects; speed determinations; skid/scrape analysis; deformation/penetration patterns; racetrack liability; service training; product investigations and testing; fire investigations; simulator training; quality control; insurance investigations; air bag testing; motor vehicle inspector.

Seth Francis, HPET; Engine and Vehicle Management Systems

Engine and vehicle graphical user interface systems; knock control systems; fine tuning engine management systems; designing engine calibration systems; hexadecimal engine coding, chip addressing, and vehicle communication protocol; modifying ECU/ADM's for street cars and race cars; high performance engine tuning; vehicle and engine performance and repair; parts fabrication; vehicle emission inspection machines; chassis dynamometers; five gas analyzers; controlling and reducing vehicle emissions.

Albert J. Galko, PE, CFEI; Civil Engineer and Certified Fire and Explosion Investigator

Construction engineering; fire and explosion investigations; building design, construction, and renovation; structural evaluations; work zone safety; facilities upgrades; manufacturing systems; master site planning; air pollution sampling; roadway design; warehouse and manufacturing plant expansions; water drainage and retention basins; aseptic clean rooms; underground utilities; FHA/HUD inspections; slips, trips, and falls; swimming pools; concrete and masonry work; water intrusion and damage, including mold; mobile and modular homes; retaining walls; heating systems, including venting and CO exposure.

William H. Glidden, PE, CFEI, PI; Mechanical Engineer, Certified Fire and Explosion Investigator, Licensed Private Investigator

Vehicle crash reconstruction; mechanical systems failures; structure, vehicle, equipment and marine fires and explosions, origin and cause; product failures and injuries, including vehicle, marine, firearms, and aircraft; personal watercraft incidents and injuries; aircraft crash investigations; building plumbing, electrical, fire and HVAC systems; fire safety compliance; air and water environmental regulatory compliance; defensive driving instruction; building preventative maintenance; hospital mechanical, electrical and fire facilities; construction supervision; equipment failure evaluation; turbine engine repair.

Marc Green, PhD; Human Factors and Visual Expert

Experimental psychologist experienced in human vision (contrast, brightness, color, speed, and distance), perception, attention, reaction time, memory, conspicuity, response, and cognition; human factors; pedestrian, road, and rail accidents; slips and falls; effects of aging; man-machine interfaces; warnings; design functionality; human error; intellectual property infringement; ergonomics.

Richard A. Gregory; Elevator and Escalator Expert

Damage, malfunction, or personal injury and death involving elevators, escalators, dumbwaiters, and similar equipment; ANSI/ASME A17 Code interpretation and compliance; elevator and escalator maintenance programs; inspections and condition assessments; control systems and controllers; construction and modernization; contract negotiations.

Paul H. Gross, CCM; Meteorologist

Weather-related evaluations for vehicular accident reconstruction (including marine, aviation, and off-road); special events planning; construction delays; slip-and-fall incidents, including black ice formation; lightning strikes; property damage; time-of-death investigations; fire investigations.

Gerald A. Guild; Banking & Investment Expert

Financial transactions and fiduciary responsibilities, including banking and investments; investment analyst; marginability; risk assessment; portfolio strategist; fixed income products; active marketing; collateralized mortgage obligations (CMO); complex derivative products; disclosure guidelines; mortgage-backed securities; consulting services; money market instruments; corporate bonds; convertible bonds; high yield securities; arbitrator; financial planning.

Harvey W. Halbertstadt, MD; Psychiatrist and Psychologist

Diminished capacity; child, adolescent, and adult psychiatry; competency determinations; marriage and family counseling; sexual exhibition, rape, and trauma; police harassment; employer harassment; bank robbery; depression, anxiety, and behavioral problems; homicide; posttraumatic stress disorder; emotional impairment; closed head injuries; arson; embezzlement; factitious disorder; spousal abuse; custody; stalking; command hallucinations; addiction; kleptomania; gambling and substance abuse; insanity pleas; hypnosis.

John W. Hargett, III; Document Examiner

Identification of handwriting, signatures, and hand printing; determination as to the sequence of preparation of documents or parts of documents; analysis of other features of documents that may provide information of evidentiary value.

Ann G. Harris, CPG; Geology and Mining Expert

Geological investigations; mine stability and stabilization; location and historical background of mines (Ohio and Pennsylvania); coal mining; mine reclamation; test drilling; groundwater investigations, including pollution; water supplies, including wells; hydrological impact statements, landfill placements; landslides; drainage investigations; subsidence problems; marine biology; asbestos identification.

Dave C. Harris, ACTAR; Crash Reconstruction Expert

Vehicle crash reconstruction including autos, trucks, tractor-trailers, buses, motorcycles, bicycles, and off-road vehicles; crash retrieval systems; energy crush deformations; railroad crossings; total station mapping; computer-aided diagramming; insurance fraud; drug-interdiction; breathalyzer operation.

Robert A. Hayes, CPG; Geologist

Forensic geology; BEA's (Baseline Environmental Assessments); environmental impact statements; environmental site assessments (Phase I and Phase II); floodplain and floodway impacts; groundwater contamination investigation and remediation; groundwater discharge permits; hazardous waste evaluations; hydrogeologic studies; lake dredging impact mitigation; lake level stabilization; landfill permitting and impacts; leaking underground storage tanks (LUST); peat mining permitting and mitigation; sand and gravel resource evaluation; superfund (CERCLA) site investigation and remediation; surface water discharge permits (NPDES); surface water impacts on groundwater; well water contamination; crime scene soil and water evidence correlations; subsurface explosions; mineral resource evaluations; earth failures; drainage evaluations; property valuations; sediment identification; chemicals-in-soil "age dating"; responsible-party assessments; cost-allocation assessments (present and future).

Michael W. Hayslip, ESQ, PE, CSP; Civil Engineer and Safety Expert

Construction issues, including safety and health-training; developing, maintaining, and enforcing safety policies and programs; OSHA compliance; hazardous material transportation; field safety inspections; Workers Compensation claim management; corporate safety issues; carpenter; surveyor.

Vanessa R. Heckman, RN, MSN, CNP, CLNC; Nursing Expert

Medical malpractice cases; independent medical examinations and histories; summarize, translate, and interpret medical records; identify causation issues; assess damages and injuries; analyze research studies; identify need for Life Care Planner; family practice, urgent care, and retail medicine; neonatal intensive care; medical-surgical; home health; pediatrics; office nursing; assess, diagnose, and treat acute illnesses; patient and family education; suturing, eye examinations, and foreign body removal, splinting, and reading X-rays; pelvic exams and newborn assessment; lab result and X-ray reviews.

Timothy S. Hefty, CPA, CFE, CFF, DABFA; Economist and Accountant

Accounting, economics, and finance issues; fraudulent activity; economic damages; business valuations; professional malpractice; mergers and acquisitions; damage calculations; lost profit analysis; insurance claims; marital relations and dissolutions; identification of assets; asset tracing; estate and gift tax planning; succession planning; shareholder and partner disputes; asset diversion; spousal and/or child support; breach of contract; wrongful discharge; trademark infringement; business interruption/impediment.

Richard Hermance, FE, ACE; Vehicle Crash Reconstruction and Snowmobile Expert

Vehicle crashes; snowmobile operations and functions, including safety; operator performance evaluations; speed determinations; skid/scrape analysis; deformation/penetration analysis; vehicle and component research and testing; seat belts, including child restraints; pedestrian and bicycle incidents; crash computer simulations; trail design and safety, including signage; human factors, including daytime/nighttime visibility and reaction times; occupant trajectory; motorcycles, ATVs, racing cars, and watercraft; buses, motor homes, and trailers, including campers; dynamic traction analysis; injury and crash biomechanics; Crash Data Recorder (CDC) analysis; acceleration and braking tests; farm equipment.

Thomas J. Hern; Automotive Consultant

Automotive dealership sales, service, and operations; automotive dealership evaluations; relationships between dealers and manufacturers; dealership and vehicle valuations; dealership training; technology consulting; accounting systems; cost segregation studies; benchmark reviews.

Martin T. Hetherington, PhD; Aquatic Biologist

Aquatics; biology; ecology; forestry; environmental physiology, including conservation and control policies; environmental education; ecological studies; energy education.

James R. Heyl, PE; Electrical Engineer

Industrial equipment; material handling systems; automation and robotic systems; power supplies; control systems; computer and PLC programming; quality control and safety; manufacturing operations; facilities construction and maintenance; electrical fires and explosions for equipment, structures, and vehicles; switchgear and substations; automated machinery; safety, predictive, and preventive maintenance programs; conveyor systems; safety interlocks; safety violations; instrumentation systems; AC and DC motors; code compliance; marina electrical systems; underground electrical distribution; welding systems; test cells; lighting systems including sport facilities and roadways.

James R. Hill, PE; Mechanical Engineer

Building HVAC, plumbing, fire protection and electrical, including design, installation damage, malfunction, and personal injury; code and safety compliance, including ADA; maintenance requirements and implementation; hot water and steam boilers; air and steam turbines, compressors, pumps, fans, and vacuum systems; refrigeration and freezer defects; bakery and food processing equipment and facilities; power and lighting systems; locker rooms and restrooms; ventilation and indoor air quality requirements.

Richard E. Hitz, MLA; Arboriculturist

Comprehensive land use planning; site design; landscape analysis and design; tree and landscape protection planning; tree and landscape damage and valuation assessments; timber trespass; landscape restorations and cost.

Norman B. Hochfeld, BS; Electrical Expert

Plant engineering; industrial equipment design, installation and maintenance; controls and instrumentation; PLC and CNC logic; electrical distribution systems; facility security systems; fire protection systems; life safety automation systems; communication systems; motors and controllers; power monitors; material handling and processing equipment; computer and data processing systems; lightning and cathodic protection; pneumatic and electronic controllers; HVAC including chillers, boilers, and air handlers; dust and fume collection systems; elevators; lockout/tag-out procedures; personal protective equipment (PPE) requirements; wiring and labeling classifications; robotic systems; fiber optics; consumer electronic equipment repairs.

Dwight Keith Hoffman, PhD; Adhesive, Sealant and Coatings Expert

Adhesives; sealants; coatings including water-based coatings; organic chemistry; homogeneous catalysis; epoxy resins; polyurethanes; ring opening polymerization; micro encapsulation; vinyl polymerization; foams including polystyrene foam products and processing, automotive seat foams and isocyanurate foams; modular windshield adhesives; copolymer polyol processing; high surface tension emulsion polymerization.

Blaine J. Hoffmann, MS, OSHM; Safety Expert

Workplace safety, training, investigations, accident investigations and audits; legal aspects of safety and health; training and development programs; written program development; interpretation of OSHA general industry and construction industry, healthcare industry standards; VPP program management; MSHA training and regulatory interpretations; 40-hr HAZWOPER; Arc-Flash (NFPA 70E).

James Gilbert Houston, PhD; Criminal Justice Expert

Correctional department training and consultation; work release programs; jail policies and procedures; gang violence, including prison gangs; delinquency; drug abuse, including addiction relapse; juvenile justice system; criminal behavior; prison management; social service programs; probation policies; public safety.

Steven C. Howard; Police, Security, Weapons, and Ballistics Expert

Police operations/conduct; security procedures; building, personal, personnel, and yacht security; self-defense claims; self-defense tactics; criminal evidence and procedures; DNA evidence; wildlife regulations and management; crime scene preservation; searches of homes, vehicles, and persons; drug enforcement operations; international border operations; electronic surveillance; questioning and interrogations; high speed pursuit driving; firearms training; detention center booking, fingerprinting, photographing, and in-processing procedures; arrest reports; illegal weapons; shotgun patterning; firearm and ammunition malfunctions; setting trigger pulls; defects in warnings and design; tool-mark identifications; internal, external, terminal ballistics; shooting reconstruction; gunshot residue and cross-contamination; stab and cut investigations; accidental discharge; ejections analysis; penetration testing; serial number restoration; weapon tampering; bomb and incendiary devices; weapons safety; forced entry tools; armor; armored cars and homes; weapons repair; ammunition reloading; tranquilizer guns; industrial manufacturing tools and equipment; hand tools; close circuit cameras; motion detectors; metal detectors; security doors; lock manipulation; alarm systems; asset verification; missing persons; document fraud; landlord-tenant law; family law and child custody; immigration and naturalization law; deportation hearings; social security law; disability claims.

Joseph A. Incavo, PhD; Tire Expert

Tire forensics; material science of elastomers, polymers, and chemicals; FEA (Finite Element Analysis); manufacturing; testing; compounding; quality processes; intellectual property and patent support; reformulation analysis/interpretation; thermostats, thermoplastics, fillers, additives, and curatives; polyurethane elastomer products; Duraseal Tire Sealant; depolymerized butyl rubber; RFID tags; pyrolysis GC/MS; volatiles analysis; gas analysis; analytical instrumentation; hexane, ethylene, and polyethylene quality; petrochemical plants; gas chromatography; handling of toxic gases; clean rooms; tire molds; electron spectroscopy.

Ronald W. Inman; Real Estate Appraiser

Real estate appraisals; real estate transactions; property devaluations; property inspections; US Department of HUD compliance regulations.

Laurence A. Jacobs, MD, FACOG; Ob/Gyn – Reproductive Endocrinology and Infertility Expert

Review medical records; gynecologic laparoscopy surgery complications (bowel, bladder, or blood vessel); infertility, in-vitro fertilization, and reproductive endocrinology; multiple pregnancies and tubal ectopic pregnancies; fertility drugs, miscarriages, and pelvic infections; endometriosis and pelvic adhesions.

D. Eric Johnson, CEP; Photographer

Forensic photography; evidence collection; lighting techniques; crime scene photography; accident scene photography; product failure photography; personal injury photography; macro photography; portrait photography; advanced digital file management; image enhancement techniques.

Loretta J. Kaes, RN, BSN, CALA, LNHA; Assisted Living and Nursing Home Expert

Patient health care including assisted living and nursing home administration, operations, supervision, and practices; “standard-of-care” procedures; development of policies and procedures; quality assurance nursing practices; mental health units; care and treatment of geriatric residents; state and federal agency inspections; subacute care units; physical restraints; psychoactive medications; geriatric assessments; emergency room operations; surgical intensive care units; rehabilitation nursing.

Timothy N. Kaiser, MD, FACS; Otolaryngology-Head and Neck Expert
Population and developmental genetics; computer modelling of polygene location; subthreshold alleles; flow cytometric analysis; DNA repair/defects; congenital diseases; cellular proliferation; DNA histogram deconvolution; squamous carcinoma; chemotherapeutic drugs; antigenic characterization; flow cytometry; speech synthesizer; laryngotomized individuals; auditory discrimination testing; hyperthermia and hypertrophy; phytomedical therapeutic agents; cholesterol reduction; sensorineural hearing loss; ADH alleles; enzyme activity; genetic breeding; Quantitative Genetic Variation; Franconi's Anemia; mitomycin C treatment; cytometry; sister chromatid exchange; chromosome fragility diseases; chromosome mutation and neoplasia; vascular and neoplastic lesions; anti-neoplastic agents; artificial electrolarynx; tumors; Horner's Syndrome; hearing and hearing aids.

John M. Kamins; Finance/Securities/Disclosure Expert

Finance, securities, disclosures, and fiduciary responsibilities; public and corporate finance; media/entertainment law; bond and note financing; cash deficit funding; structuring and underwriters' counsel; public pension finance; securities offerings; private placements; SEC reporting; mergers and acquisitions; intellectual property; actuarial pension liabilities; financial condition analysis; federal trademark registration; entertainment contracts; disclosure responsibilities and fraud; trust indentures; municipal bonds; securities law violations.

Daniel B. Kennedy, PhD, CPP, CSP; Security and Safety Expert

Premises security and safety including planning, implementation, and evaluation; crime foreseeability; standards of care; causation issues; use of force; police pursuits; custodial suicides; failure to protect; health care services; confinement conditions; surveillance security systems; profiling and threat assessment; workplace violence; security training management and administration; police administration; investigation methodology; comparative security; victimology; inmate counseling; rape and sexual violence; spousal abuse; residence and lodging security; mall and parking lot safety and security; loss prevention; shoplifting; crime scene profiling; victimized tourists; insanity judgments; correctional reform; cocaine-related violence; crowd and riot control; school violence; negligent hiring; police liability.

Theodore D. Kessis, PhD; DNA and Biology Expert

DNA and biology issues; Molecular Microbiology; Gynecologic Pathology; Immunology; Infectious Disease; Pathobiology; Virology.

Edward A. Kidston, WSL; Well and Water Systems Expert

Wells and water systems, including all phases from initial design through final approval and preventative maintenance; aerators; gravity filters; pressure filters; ion exchange softeners; chemical feed pumps; membrane filtration; telemetry; and controls.

Dennis Michael King, FAIA, FESD, LEED, AP; Architect

Construction property damage, defects, and personal injury; architecture construction claims; premises/professional liabilities; construction operations; construction marketing; project management; claims arbitration; dispute settlement; LEED Green Buildings; energy and environmental design.

Allan E. Klein, CPM; Property Management Expert

Property management; commercial/residential standards of care; industry practices; premises liability; personal liability; inspections; habitability; mold; maintenance; health and safety; contracts/leases; fair housing; tenant/landlord disputes/law; financial reporting; security; slip/trip/falls; negligent hiring/supervision; policies and procedures; wrongful eviction; commercial/residential investments; marketing; physical inspections; budget forecasts; managers policies and procedures; energy conservation programs; public relations; ethical practices; assisted housing; condominium and cooperative associations; risk management; HUD Occupancy Certification.

John W. Koshak, QEI, CEI; Elevator and Escalator Expert

Elevator and escalator damage, malfunction, and personal injury and death; risk analysis facilitation; code compliance; elevator system design, including design of a machinerroom-less elevator system; designed the LifeJacket™ hydraulic elevator safety device; direct and indirect hydraulic elevators; geared and gearless traction elevators; escalators; moving walks; wheelchair lifts; dumbwaiters.

Robert C. Krause, MS, EMT-P, CFI; Emergency Medical Services Expert
Emergency Medical Services (EMS); Emergency Medical Technicians (EMT); emergency vehicle driving operations; EMS chart and protocol reviews; EMS, EMT, and paramedic policies, procedures, and standards of care; emergency communications procedures; fire department operations, ambulance operations, fire department training procedures; fire suppression tactics; fire, rescue, and extrication operations; law enforcement policies and procedures; safety and security training; emergency medicine, including pediatric; medical records review; first responder training; OSHA compliance; water safety; telecommunications; respiratory and cardiac arrest; chemical agents, including WMD's; school violence and security; workplace violence.

Margo Bonnell Kunze, RN; Nursing Home and Assisted Living Expert
Patient health care; assisted living and nursing home administration, operations, supervision, and practices, including “standard-of-care” procedures; clinical care consultation; quality improvement programs; quality audit tools; regulatory compliance; state survey preparation; problem identification and solutions; state and federal inspections; Achieve EMR Training; Federally mandated MDS (Minimum Data Set); OBRA regulatory compliance; Folstein Mini Mental Status Examination; restraints; psychoactive medications; Alzheimer’s disease; Dementias; geriatric health care; chemotherapy and pain management; data collections systems and tools; hospice activities; in-home respite care; Home Medical Alert Systems; falls management; medication management.

John P. Lauhoff, PE, CSP; Industrial Engineer and Safety Expert
Injuries, damage, malfunctions, and personnel issues related to machinery and equipment design, fabrication, maintenance, operations, procedures, training, and safety procedures; accident investigation and reconstruction; slips, trips, and falls; industrial vehicles; machinery and equipment guarding; hand and power tools; work-related injuries; safety grievances; safety training programs; monitor outside contractors.

Richard Frank Lavi, MD, FAAAAI, FAAP; Allergy, Asthma, and Immunology Medical Expert

Medical issues, including allergies, asthma, immunology, and associated symptoms/syndromes; plant molecular biology; special needs children; plasma cell myositis; T-cell immunodeficiency; nutrition; rheumatoid arthritis; immune dysfunction.

Caryn A. Leifer, BA, RN, LNC, CALA; Assisted Living and Nursing Home Expert

Assisted living and nursing homes, including administration, operations, supervision, and practices; “standard-of-care” procedures; assisted living facilities inspections; assisted living regulations including nursing, pharmacy medication pass, dietary (kitchen cleanliness and resident nutritional status), and building maintenance, activities, etc; deficiencies and complaints; plans of corrections; dispute resolutions; federal (CMS), and state regulations; geriatric units; medication including insulin injections; nursing standards of practice; nurse training.

Thomas J. Lekan, CPP; Police, Product and Premises Security Expert

Security systems design and evaluation, including educational institutions (elementary, high school, and colleges), restaurants, bars and lounges, hospitals, lodging facilities, banks, residential communities, commercial and retail establishments, industrial facilities and manufacturing plants; crime foreseeability; standards of care; causation issues; executive protection; assault; security guard operations; sexual harassment; negligent deaths; corporate fraud; security vulnerability and countermeasures; due diligence investigations; food and product tampering; product infringement and counterfeiting; security training; security management; economic crime; police excessive force claims.

Tracey T. Lemmon; Propane Specialist

Propane system components, installations, and servicing; propane system engineering and design; propane bulk plants.

David E. Leonard, CA; Tree & Landscaping Expert/Arborist

Trees and landscaping; tree felling safety procedures; tree valuations; landscape restoration plans and cost; comprehensive land use planning; tree excavations; soil modifications and remediation; tree preservation; root collar excavation.

George Levosinski, PE; Mechanical Engineer and Vehicle Expert

Analysis, design and testing of automotive, machine tool, and construction equipment; design and analysis of seat mechanisms; HVAC; FEA analysis; DOE by Taguchi; vibration and noise analyses; airbag systems; gas inflators; filter systems; vibration and tool chatter analysis; load, stress, and strain analysis of off-highway machinery and components, including axles, drivelines, and front end loaders.

Terry D. Lewis, PI; Vehicle Crash Reconstruction and Traffic Safety Expert; Private Investigator

Vehicle crashes (auto, truck, tractor-trailer, bus, motorcycle, train, boat, and bicycles); highway and traffic design, including pedestrian injury; driver perception and response; human factors and vision; vehicle “black box” analysis; seat belts and air bags; biomechanics of occupants; skip tracing-missing persons; serving legal documents.

Stephen K. Li, RA; Architect

Building design and planning; codes and standards; security systems; ADA compliance; zoning board regulations; grading and drainage; building failures; warnings; shelving and racks; fall protection; glazing, roofing, walls, windows, foundations, and floor treatments; sidewalks; slips, trips and falls on walkways, ramps, stairs, docks, kitchens, and parking lots; illumination issues; design and construction of stairs, railings, ramps, ladders, and scaffolding; architectural professional liability issues and standards of practice; property damage investigations, including wind, water, and hail damage; cost estimating; surveying issues; building mechanical and electrical systems, including refrigeration; supervise field construction activities; parking lot safety guidelines.

Malcolm K. Lim, PE; Civil Engineer

Civil/structural design; field investigations; nondestructive testing; high rise buildings; balconies; bridges; piers; power plants; pipes and tunnels; decks; structural distress; excessive displacement; excessive vibration; partial or total collapse; roofing systems; roadway pavements and runways; parking structures; materials testing; concrete products; document control; record creation and maintenance; international standards; corrosion; welding; quality control; certified SCUBA underwater inspections; impulse radar; ultrasonic testing; tunnel linings; garage barrier safety; post-tensioned beams; concrete degradation.

Margo L. Logan; Child/Daycare and Developmentally Disabled Adults Expert

Child care; daycare center administration, management, and practices, including standard-of-care; Child Protective Services (CPS) Litigation Consultant; trainer on child care government regulations; early childhood, elementary, and high school special needs programs; licensed child care investigator; foster care; developmentally disabled adults; family home child care; state child care management systems; Department of Early Learning (DEL) training; Independent Living Programs; drug and alcohol issues.

Timothy P. Lockett, BS, RN, CNOR, CRNFA, CIC, LNC; OR and RR Nursing Expert

Patient care; nursing practices; Operating Room (OR) and Recovery Room (RR) “standard-of-care” procedures; OR Circulator; Gastrointestinal (GI); Pre-op Admitting; Post-Anesthesia Care Unit (PACU); laparoscopic surgeries; gallbladders, pain management; plastic and reconstructive; general surgery; podiatry; orthopedic surgery; ENT; gynecologic; endoscopic; laser ablations; pediatric procedures; tonsillectomies; adenoidectomies; PE tube insertions; percutaneous discectomies (cervical and lumbar); open back surgery; implants; discograms; cosmetic; neurosurgery; vascular; urology surgeries; wounds; AAAASF, CMS, etc compliance; discograms; Certified Registered Nurse First Assistant (CRNFA); inguinal hernias; anterior/posterior repairs; cholecystectomies; ventral hernias; breast implants; hair transplant surgery.

Daniel L. Maloy, CPA; Accountant

Accounting and tax services including preparation of compiled and reviewed financial statements; controllership services; individual and small business tax returns; budgeting and forecasting; business valuations for business sales, buy-out agreements and divorces; present value calculation of future benefits; country club, school districts, and other non-profit accounting and tax matters; management consultation regarding company accounting and operations.

David M. Manuta, PhD, FAIC; Environmental and Occupational Expert

Fundamental chemical principles; electrochemistry, thermodynamics; handling safety of gases, chemicals, and oxidizers; industrial and manufacturing operations safety; fire and explosion investigations (including arson); hazardous material and radiation exposure; clandestine manufacturing of illegal drugs; cleaning and disinfecting products and equipment; worker chemical sensitivity assessments; dust and fumes exposure; fireworks incidents; spontaneous combustion; skin care products; infrared spectroscopy and gas chromatography testing; refrigerant hazards.

Daniel C. Maser, CIH, CSP, ROH; Environmental and Occupational Expert

Environmental and occupational assessments; industrial hygiene; health and safety regulations compliance; regulatory inspections; emergency incident response procedures; chemical safety programs (MSDS's); hazardous waste regulations; mold assessments and remediation; indoor air studies; employee training procedures; fire protection; fitness testing; salt mining operations; confined space procedures; lead abatement programs; industrial ventilation; stack emission studies.

Gary A. Mattiacci, CAR, CTAI, LPI; Crash Reconstruction Expert

Vehicle crash reconstruction including autos, trucks, trailers, motorcycles, bicycles, off-road vehicles, and pedestrians; highway and road defects; roadway markings and signs; black box data evaluation; traffic analysis; traffic safety analysis; standards research; aerial photography; background checks; skip trace; witness interviews; 3-D animation.

Lawrence S. Mayer, MD, MS, PhD; Medical and Epidemiology Expert
Epidemiology and Biostatistics; statistical data analysis; study and model review; valuation of epidemiological studies and clinical trials; meta-analysis; evaluation of causal content of epidemiological studies; drug and medical development and regulation; product liability; occupational and environmental exposures; medical malpractice; toxicology; cardiology; OB/GYN; surgery; psychiatry/neuropsychiatry; internal medicine; disease prognosis; biomedical informatics; multiple regression; time series modeling; stochastic processes; multivariate analysis; statistical inference; public policy; energy analysis.

Timothy R. McGreal, PE; Mechanical Engineer

Consumer products; automobile/trucks/other vehicles; fuel-fired appliances; explosions; fire suppression systems; fire alarm systems; plumbing systems; gas supply systems; code compliance; moisture intrusion; roof damage assessments; HVAC equipment; construction, agricultural, commercial, and industrial equipment and machinery; computational fluid dynamics (CFD); power tools; medical equipment; product design and packaging; human factors and warnings; patent infringement.

J. Bruce McKeown; Aviation Specialist

Military, private, and commercial aircraft and aviation systems; aviation operations; safety procedures; aviation physiology; navigation; communications; classroom aircraft systems and procedures training; cockpit jumpseat observations; single engine land, instrument ratings; fixed gear and complex aircraft qualifications; Navy fighter weapons systems; electronic warfare; tactical jet combat; air combat instructor; electronic warfare; flight controls; shipborne defensive systems; air navigation; UPS flight training; weapons security.

Randy D. Merillat, MAT; Vehicle Expert

Vehicle mechanics including autos, trucks, trailers, buses, and agricultural equipment; includes engines, drive lines, suspension, steering, electrical systems, computer systems, heating and cooling systems, brakes, towing procedures and equipment; and black box data recovery.

Norman S. Miller, MD, JD, PLLC; Medical Expert

Psychiatry; addictions; medical malpractice; product liability; medications; neurology; criminal responsibility; independent medical evaluations; detoxification; alcohol and drug addiction, abuse and treatment.

Lawrence W. Moriarty; Product and Materials Expert

Product design and testing; failure analysis; chemical, physical and metallurgical testing; manufacturing operations; quality control; materials and fasteners; corrosion protection; responses to banned substances (asbestos, lead, cadmium, PVC, mercury and hexavalent chromium); FMVSS, SAE and ISO requirements; evaluation and testing of cloths, carpets, leather, plastics, metals, rubber, glass, lubricants, paints, sealers, and adhesives; development of advanced automotive bumpers, body structure, and hardware; heat treating operations.

John E. Moylan, CPG; Geologist and Hydrologist

Engineering geology; hydrogeology; contaminant migration; Karst formations; rock, soil, groundwater, surface water, and wetland assessments and remedial procedures.

Michael C. Mullins, LPI; Private Investigator

Background checks; witness locating and interviewing; missing persons searches; reference checks; insurance claims work; video and photography evidence gathering; theft, drug abuse and fire investigations.

John J. Murphy, Jr.; Insurance Expert

Insurance loss claims involving property damage, punitive damage, and personal injury; coverage evaluation; arbitration/mediation and auditing; auto liability; good faith/bad faith; chiropractors professional; construction defects; first party property damage; lawyers professional; long term exposure cases; medical malpractice; miscellaneous E&O and D&O; municipal liability; nursing home liability; products/completed operations; standard and non-subscriber workers compensation.

Susan K. Murry, MSN, CRPN; Nursing Expert

Patient care; nursing practices; medical facility “standard-of-care” procedures; OSHA compliance; school health; family care including pediatrics, gynecology and gerontology; occupational injury assessment and treatment; child abuse and neglect screening; communicable diseases including STD’s; community health education; pharmacology; pathophysiology.

John R. Nixon, PE; Firearms and Ballistics Engineer; Explosives Expert

Firearms and ballistics including gun and ammunitions manufacturing, usage, safety, supervision and failures; risk management; counter terrorism tactics, survival skills; weapons training; wound ballistics; non-destructive testing, including radiographic, ultrasonic, MPI, and dye penetrant techniques; ballistic "fingerprinting."

Matthew J. A. Nousak, PE; Metallurgical/Materials/Welding Engineer

Mechanical, metallurgical, materials, and/or welding failures; refractories; pressure vessels; process piping; machine design; petroleum, petrochemical, chemical, offshore, and shipping industries; dredging equipment; tanks; fabrication; foundry facilities; facility startup; melting operations; heat treating; automotive, machinery, and boiler castings; suspension bridges; turbine blades; steam drums; corrosion; boat hull rivets and plates; crane collapses; casing and drill string testing tools; induction hardening; offshore oil platforms; vibration; shipyard fabrication; blast furnace; shielded metal arc welding; gas metal arc welding; gas tungsten arc welding; flux cored arc welding; submerged arc welding; electroslag welding; plasma arc welding; laser beam welding; resistance welding; torch brazing; furnace brazing; soldering; standard physical testing methods (e.g. tensile, hardness, impact); non-standard testing methods (e.g. CTOD, drop-weight, fatigue); failure analysis techniques (e.g. metallography, scanning electron microscopy, microprobe chemical analysis); annealing; quenching; tempering; carburizing; carbonitriding; nitriding; solution annealing; stress-relieving and normalizing; hazardous waste storage tanks; ASME Code SC VIII-1 and VIII-2 and API design.

Dr. Joseph S. Ohr, Jr, MD, RPh; Medical Surgeon, Pharmacist, and Pathologist

Medical surgery; pharmacology; anatomical, clinical, and trauma pathology; wounds; sudden infant death syndrome; cancers and tumors; therapeutics; tissue mortality; psychopharmacology; drugs and drug abuse; HIV; viruses and bioterrorism; CPR; funeral home operations/procedures, including embalming.

Timothy M. Opsitnick; Intellectual Property Expert

Electronic risk management; electronic document discovery; document management systems; electronic data warehousing; electronic data processing; internet document discovery; computer forensics; electronic technologies; internet web site development.

Nadine Otterman; Mechanical Engineer

Digital fabrication programs; automotive components design, fabrication/machining, assembly, and quality control; automotive components assembly line operations; DFMEA; robotics; 8D processes; Japanese-fluent.

Rob Painter, ASE, CFL, CFEI, CVFI, CFATE; Senior Forensic Vehicle Analyst

Vehicle transponders, ignition locks, steering columns, and anti-theft systems; vehicle fraud; production and testing of keys and locks; air bags; fire and explosion origin and cause; vehicle collision repair; auto and medium/heavy duty trucks; vehicle brakes, steering, suspension, engines, drive train, axles, air conditioning, and electrical/electronic components; auto dealership management.

Ethan Parker, PE; Civil Engineer and Crash Reconstruction Expert

Vehicle crash reconstruction, including automobiles, trucks, buses, trailers, motorcycles, water craft, and trains; vehicle defects and failures, including hydraulic and air brakes, steering and suspension, drive trains, and tires; roadway incidents, including road design and visibility analysis; signage and traffic signals; traffic flow and accident patterns; vehicle fires and explosions, including arson; analysis of mechanical and structural failures, including foundation, wall and roof collapses; mold remediation in homes, schools, and commercial buildings; water infiltration, hail, and wind damage; building code compliance; fire investigations; steel structures; product defects, including mechanical and electrical failures; design analysis; glazing and roofing systems; conveyance systems; cranes.

Thomas A. Parker, PhD; Entomologist

Entomology, including pest control, wood-destroying organisms, pesticides, and bedbug infestations; termite control; lawn spraying; commercial sanitation; fumigation; smoke odor; fungi and mold; vegetation control; aerial spraying; mosquito and malaria spraying; infectious disease control; water quality monitoring; disease surveys; field and forage crops; control of spiders; insecticide formulations; ultra-violet radiation; mosquito ecology.

Clinton Parks, PE; Products and Equipment Expert

Specialized machinery; medical products; hydraulics and pneumatics; control systems and electronics; rotating and pressurized process machines; seismic analyses; product safety; structures and structural analyses; commercial products; boilers; refrigeration systems; finite element analysis; pulp and paper industry; wood science; design for manufacturing and assembly; regulatory compliance; operational and maintenance training; field support.

Tina Pavlatos, BFA; Graphics/Medical Illustrator

Graphic illustrations for medical textbooks, medical journals, courtroom graphics, medical websites, and patient education. Illustration style is: understandable, uncluttered, accurate, clean, straightforward and engaging. Clients include medical publishers, physicians, attorneys, pharmaceutical companies, medical journals, hospitals, and PR firms.

Thomas B. Peeler, Plastics Expert

Part/mold design optimization; polymer materials; medical implants; CAE Analysis, including mold flow/cooling/warp analysis and FEA; problem solving and failure identification; design and cost assessments; material selection and performance; solids CAD modeling experience (Pro-E, Solidworks); process condition optimization; metal to plastic conversions; injection molding machines.

Peter J. Pfeffer; Securities and Brokerage Expert

Trading stocks, bonds, options, mutual funds, currencies, commodities, annuities, futures, and derivatives and swaps; training and supervision of stock and futures brokers; order execution and clearing; implementing compliance and control systems; mergers, divestitures, and acquisitions; underwriting and private placements; corporate finance; mediation services; damage calculations; compliance and control systems and procedures; international arbitration and tribunal hearings; investment and trading disputes, including fraud; financial analysis and business valuations.

Thomas R. Piazza, CCM; Certified Meteorologist

Meteorological incidents and weather-related evaluations for: vehicular accident reconstruction (including marine, aviation, and off-road), special events planning, construction delays, slip and fall incidents, lightning strikes, property damage, fire investigations; cyclogenesis; ozone studies; Doppler Radar; weather code displays; computer generated surface maps; road pavement temperatures; renewable energy.

Bruce Podrat, MBA, MHA; Hospital and Healthcare Administrative Expert

Health care facilities including community hospitals, multi-hospital systems, academic, medical, and research centers, managed care organizations, large physician entities, nursing homes, and assisted living facilities; standard of care; ambulatory care environments; hospital and medical staff bylaws; interpretation of JCAHO standards; managed care contracting; administrative and billing compliance; calculation of lost earnings; health care facility policies and procedures; administrative and board of trustee standards; nursing home and assisted living facility standards, policies, and procedures; physician credentialing issues; special services including trauma, oncology, ER, neonatal, ICU, open heart, and OR; negligent hiring matters; physician contract matters; applicability of intermediate sanctions rules; contract disputes between institutions and providers of service; medical compliance issues; drug errors; patient falls; coding disputes; evaluation of medical costs.

Mitchell Z. Pollak, MD, FAAOS, CIME; Orthopaedic Surgeon

Orthopaedic surgery; IME's (Independent Medical Exams); medical record reviews; physical force analysis; bone healing; verbal and written reports; affidavits; depositions; courtroom testimony.

Duane B. Priddy, PhD; Materials and Chemistry Expert

Rheology of plastics and plasticization; medical implants (e.g. hip, knee, shoulder and elbow); materials characterization, specification, and selection; certification testing; product inspections and testing procedures; failure mechanisms; chemical and solvent resistency; weatherability, stabilization, and degradation; flammability; food packaging; automotive applications; organic peroxides; films and foams; styrenic polymers; paints and coatings testing and failure mechanisms; adhesives; rubbers, elastics, fabrics and fibers failures and testing.

Edward John Primeau, RI; Audio and Video Expert

Audio and video engineering and recording; background noise removal/sound clarification; voice identification; audio recording authentication; micro cassette transfers to any format audio; audio conversion to compact disc or any format; video authentication and restoration; video image clarification; frame capture from video; video conversion to DVD or any format; CD ROM and DVD design and programming; acetate and vinyl restoration.

John A. Pullman, M.Ed., CRC; Vocational Expert

Vocational testing and rehabilitations; work capacity evaluations; physical testing; transferable skills/job analysis; ergonomic modifications; Life Care Plan research; Alternate Dispute Resolution; Transitional Work Program; Functional Job Analysis; physical therapy; work conditioning; employer incentive contracts; return to work monitoring; case management services; drug-free work place safety policy; Americans with Disabilities Act Amendments Act.

Richard W. Rau; Mechanical Expert; Horse Expert

OSHA inspector for cranes and hoists; automotive assembly plant equipment; material handling equipment; safety training and ergonomic requirements; handling, training, showing, and judging of horses, including thoroughbred racehorses; horse competitions; judges license (6 breeds).

Rollie L. Robert, PE; Electrical Engineer

U.S. and Canadian Codes and Standards; building construction; electrical equipment design, defects and damage; electrical interlocks and safeguarding; underground pipes and tanks; building electrical costs; facilities and equipment electrical design and construction; risk assessments; code compliance; electrical power and controls; electrical design safety; field safety procedures; electrical maintenance requirements; fire and security systems; electrical distribution systems; lighting systems; electric generation facilities; power security; communication systems.

Cecil Robinson; Machine/Machining and Computer Expert

Machinery and machining operations and safety; contract manufacturing; ISO 9001 quality processes; ERP software; equipment design; machine shop support; contract machining; computer networking; Unix equipment; engineering drafting; equipment lab and field testing.

William Gary Rogers, CFI, LPI; Fire Investigator; Mold and Asbestos Expert

Origin and cause investigations of fires and explosions, including structures, vehicles, and marine; fraud and arson; structural collapses; electrical and mechanical surveys; hazardous materials remediation; management operations; product evaluations; code enforcement; ground water contamination; mold and asbestos management.

Sheila M. Roof, BSN, RN, CNML, LNC; Nursing Expert

Patient care; nursing practice; standard-of-care procedures; acute care; STEPPS care; dialysis and renal care; Medicare and Medicaid coverage; emergency department care; cardiac arrest; STEMI care; stroke care; arterial venous fistula care; certification of dialysis technicians; dermatology practice; regulatory compliance; medical records validation; allergy, dermatology, neurology, nephrology, pediatrics, oncology, endocrinology, and plastic surgery care; medical surgical care; CAPD training; chemotherapy treatments; ambulance transport; allergy care; surgical instrument handling and sterilization; surgical suite preparation; surgical technician; medication administration.

Barry S. Rope; Packaging and Material Handling Expert

Packaging and material handling, including products, equipment, procedures and operations; trailer, container, rail car, ocean freight loading, blocking and bracing; transportation and distribution; palletizing, storage and warehousing; product packaging and labeling; packaging materials; technical documentation; HAZMAT regulations; standards compliance; environmental issues; hot melt adhesives; shock and vibration.

Samuel M. Salamon, MD, FRCSC, FACS; Ophthalmology Expert

General ophthalmology; cataract and corneal surgery; corneal scar, injury, and transplantation; diabetic retinopathy; glaucoma; eyelid disorders; ocular infection; review of medical records, verbal and written reports.

Donald Sanders, DVM, Dip ACT, PAS; Veterinarian Expert

Animal reproduction; animal welfare; animal biotechnology; animal embryo transfer; livestock water supply; bovine mastitis; animal production; milk production; artificial insemination; farm management; animal parasitism; euthanasia; malpractice; animal environment; dairy management; animal nutrition; animal diseases; stray voltage; toxicology.

C. Shawn Saunders, PE; Mechanical Engineer and Crash Reconstruction Expert

Vehicle crash reconstructions for autos, trucks, tractor-trailers, buses, motorcycles, bicycles, and snowmobiles; vehicle fires and explosions; highway and traffic design; seat belt usage and failures; black box data; hydraulic and pneumatic systems; mechanical and electrical systems; MSDS's analyses; machine design; automotive A/C compressors; incidents related to loading, packaging, storing, and handling of products.

Tom Sawyer, EdD, NAS, AAHPERD; Recreation, Exercise, and Sport Safety Expert

Sports, exercise, recreation, physical education, amusement, and fitness activities and equipment; facilities operation; sport finance; sport governance; sport law; sport management; sport marketing; sport sociology; facility design including skate parks, aquatics parks, swimming pools, hot tubs, saunas and steam rooms, campus recreational sport facilities, parks and recreational areas, and golf courses; coaching and training.

Michael E. Schack, CCIM; Real Estate and Property Management Expert

Policies and procedures; lease negotiations; property inspections; property maintenance; asset management; landlord-tenant issues; acquisitions; property repositioning; standards of care; security; premises liability; dispositions; loan agreements; equity raising; investment performance; multi-family, office, retail, and industrial real estate; oversight of asset managers, third party property managers; leasing agents, construction managers, and other third party providers; due diligence; value enhancement; training asset managers; real estate appraisals; investment analysis; condemnation; property taxes.

Malton A. Schexneider, PT, MMSc; Physical Therapist

Physical therapy products and procedures; acute back and neck pain syndromes; orthopaedics; acupuncture; sports medicine; Cybex Isokinetics; sports physical therapy; podiatric physical therapy; craniofacial and vertebral therapeutics; exercise training; spinal stabilization; lumbar spine; lumbopelvic integration; functional orthopedics; cervical thoracic integration; soft tissue mobilization; strength and conditioning; knee injuries; whiplash injury biomechanics and traumatology; rotator cuff pathology; back braces; spinal bracing; tennis elbow; shin splints; IT band syndrome; suprascapular nerve entrapment; herniated discs; neural tension testing and treatment; pitching mechanics; therapeutic exercise.

Bert Schiller, PE, CIH, ROH; Environmental and Occupational Engineer

Industrial health and safety; environmental site and health investigations; industrial hygiene evaluations; ordinance and regulatory compliance; facility audits; ergonomics; noise; toxicology; personal protective equipment; exposure assessments; mercury exposure.

John Schmidt; Dram Shop and Safety Expert

Alcohol sales, service, policies, procedures; liquor law compliance and safety; underage drinking; intoxicated patrons at and upon leaving bars, restaurants, night clubs, bowling alleys, sports facilities, and special events; undercover, financial, criminal, and regulatory investigations.

Jim Scott; Railroad Operations, Equipment, and Safety Expert

Railroad operations and equipment; safety training; train performance; commodities transportation; locomotive engineer; brakeman/foreman/conductor; air brakes; event recorders; locomotive engineer training; loading and unloading; end of train devices; derailment investigations; train emergencies; train simulators.

Robert B. Shuman, MD; Pediatric Neurology/Neonatology

Pediatric neurology/neonatology; fetal development; perinatal medicine; birth defects; birth trauma; child development, including schooling; neuropathology; neurotoxicology; neurophysiology; epilepsy; neuroimaging: MRI, CAT, EEF; pharmacology; anatomic pathology; surgical pathology; surgical case review; peripheral nerve disease; stroke; spondylolisthesis; vitamin therapy; Downs Syndrome; electromyography; whiplash injuries; traumatic brain injury; frontal-subcortical circulation; advanced evoke potentials; migraines; headaches; depressive disorders; Alzheimer's Disease; epileptogenesis; epilepsy; cocaine effects; closed head injuries; AED Therapy; ADHD; developmental disabilities; autism; brain tumors; neurosciences; child abuse; seizures; anti-depressive therapy; prenatal diagnosis; seasonal affective disorder; bipolar disorder; childhood depression; Tourette Syndrome; neuralgia; vagus nerve stimulation; intractable seizures; psychopharmacology; antipsychotic and psychotropic therapy; antiepileptic drugs.

David A. Smith; Audio Expert

Audio engineering, recording, and broadcasting; analog and digital audio analyses; speech comprehension enhancement; tape authentication techniques; computerized analysis and recovery; digital signal processing; MIDI implementation; voice recognition technology; diagnostic platforms.

David S. Smith, PhD; Maritime and Aquatic Safety Expert, Commander USCG (Retired)

Marine and water recreation, including personal injury; vessel and equipment design, construction, operation, and maintenance; search and rescue; boat collisions and groundings; rules-of-the-road; diving; personnel safety training, including life guarding and supervision; drowning progressions - signs of drowning; cervical spine injuries due to diving; pool/beach design and construction; water skiing and tubing; jet skis/wave runners; white water rafting; incidents at, in, or below hydro electric plants and low head dams; alcohol and environmental stressors/factors including hypothermia; signs and warnings; reconstruction of water and boating incidents; PFD's (personal flotation devices); towing incidents; fire fighter water safety.

Rick A. Smith, PE; Mechanical Engineer and Boiler Expert

Industrial power plants and processes; thermal and combustion systems including boilers, furnaces, and ovens; CFC management; HVAC systems; air pollution control; process and power piping and equipment; cathodic protection; pump failure analysis; heat and fluid transfer processes, including energy conservation.

Jack Spadaro; Mining Engineer

Mines and mine equipment; geotechnical engineering; drilling operations; day-to-day mine operations; blasting, noise and dust control; surface haulage safety; electrical hazards; inspection methods; roof control; training for metal, nonmetal and coal mine inspectors; unsafe dump and fill sites; vehicle maintenance; mine and safety hazard abatement; landslide stabilization; subsidence control; mine fires; coal refuse fires; valley fill construction; coal waste disposal; mining reclamation; coal waste embankments; excess mine spoil fills; dam construction; surface mine drainage systems; mine sediment control structures; hydrology pertaining to earth and coal-related structures; underground coal mine design and surveying; roof control and ventilation plans; underground and surface mining inspections.

Henry A. Spiller, MS, D.ABAT, D.ABFE; Toxicologist

Toxic tort; workers compensation; DUI, including drug and alcohol screening results; post-mortem drug and/or toxicology results; chemical and poison toxicology; false positive and negative urine drug screens; malpractice; occupational medicine; pharmacotherapy; addiction; inhalant abuse; mercury exposure; pediatric ingestions.

Alfred E. Staubus, PhD, PharmD; Toxicology and Pharmacology Expert

Toxicology and pharmacology including pharmacokinetics, biopharmaceutics, and radiology; alcohol breathalyzer machines (BAC DataMaster, Intoxilyzer 5000 and 8000, and Intoximeter EF/IR II); alcohol and drug testing; clinical research.

Herbert J. Stern, MD, FACC, FSCAI; Cardiologist

Cardiac, cardiothoracic, and cardiovascular surgery; chest pain; down syndrome; drugs; heart catheterization; congenital heart disease; heart transplants; lesions; pulmonary atresia; arrhythmia; pulmonary hypertension; hypoplastic left heart syndrome; long QT syndrome; stents, balloons, and coils; cardioplegia; hypothermia; ventricular fibrillation; septal defects; pediatrics; pharmacology; sports medicine; strokes; Turner's Syndrome; echocardiography; angiography.

Wendy R. Steusloff, RN, ASN, LPN, ALNC; Nursing and Nursing Home Expert

Nursing practices; patient care; standard-of-care procedures; quality and risk management policy and procedures; assisted living; evaluation and performance management; conflict resolution; patient assessments; long-term and short-term rehabilitation; medication administration; wound care; falls; pressure sores; abuse and neglect; medication errors; infections; intravenous infusions; life-sustaining measures; care planning; medical records review; nursing supervision; dementia; traumatic brain injuries; behavioral disturbances; short and long term care; tracheotomy care; catheters; peritoneal dialysis; ostomies; diabetic care; antipsychotic medications; aspiration pneumonia.

Theodore M. Streit, PE; Registered Petroleum Engineer and Natural Resources Expert

Natural resources, including gas, oil and coal; the design, installation, operation, and maintenance of gas and oil pumping, piping, and delivery systems; drilling and production technology; lease and contract negotiations; oil and gas mineral property valuations; energy development programs; oil and gas regulatory policy and implementation; disputes between natural resource (gas, oil and coal) operators and owners.

Harold 'Lynn' Stringer, BSME; Vehicle Engineering Expert

Motor vehicle design, manufacturing, testing, and servicing including: passenger cars, trucks, buses, trailers, and private and commercial vehicle carriers; engines; fuel systems; electrical systems; lubrication systems; cooling systems; exhaust systems; drive trains; brakes; suspension; steering; wheels and tires; A/C systems; vehicle crash safety structures; laboratory testing procedures.

Steven L. Stuard, QEI; Elevator Expert

Elevator maintenance and repairs; modernization of elevators; installation, including associated service tasks; elevator damage and malfunction evaluation.

Robert S. Sugarman, PhD, PE; Human Factors/Visual Expert

Human factors; visual perception; human vision (contrast, brightness, color, speed, and distance); conspicuity; attention; reaction time; product and equipment design; medical equipment; instructions and procedures; warnings and labels; individual differences training; cognitive psychology; situational awareness; vehicle accidents; industrial and construction accidents; slip and falls; ergonomics; workplace layout physics; instructional system development (ISD); perceptual processes; physiological processes; drunken driving; decreased alertness; studies of camouflage; machine interfaces; evaluation of commercial products; environmental health and safety; quality control.

A. Robert Tantleff, MD, DR, RI; Radiologist

Diagnostic radiology; radiographic imaging; three-dimensional radiography; MRI; cat scan; nuclear medicine; angiography; independent film review; second opinion; malpractice review; radiation safety; mammography; obstetrical and gynecological ultrasounds; renal anatomy/radiology.

Shane Tecklenburg, AAEM; Engine and Vehicle Management Systems

Spark and diesel engines; data systems and sensors; turbochargers and superchargers, Bosch K/KE Jetronic and Motronic Systems; MoTec engine management systems; nitrous oxide systems; fuel injection systems; suspension systems; engine team management.

David C. Thornburg; Vehicle Crash Reconstruction

Vehicle crashes (auto, truck, tractor-trailer, bus, motorcycle, train, pedestrian, bicycle); highway and traffic design; driver perception and response; human factors; crash data retrieval and analysis (“black box”); biomechanics of occupants; 3D diagramming; crush analysis; field sobriety & drug recognition; arson; certified crash reconstruction instructor; military police operations; traffic control; truck rollover; and Codes of Federal Regulations.

Michael R. Tillotson, CIH, CHMM; Industrial Hygienist

Environmental and occupational health; occupational safety; industrial hygiene; asbestos; radiation safety and health; hazardous waste management; hazardous waste sites; emergency response; pesticides and pesticides management; lead; noise; hazardous materials and waste management.

Dennis A. Toaspern, MAR, MCI; Motorcycle, ATV, and Snowmobile Expert

Motorcycle, ATV, and snowmobile operations and functions, including accident reconstruction and injury mechanisms; tillotsonoperator performance evaluations; assembly, inspection, trouble-shooting, and performance evaluations; racing facilities; mechanics instructor; operator training; mechanical and electrical system malfunctions; speed determinations; skid/scrape analysis; deformation/penetration patterns.

Ewen C. Todd, PhD; Food Safety and Public Health Expert

Food safety, including processing, handling, transporting, storing, and serving; food poisoning; hand hygiene; outbreak investigation; food science; hazards analysis and critical control points; restaurants and foodservice; disease transmission; toxicology; risk assessments; US and Canadian food regulations; E.Coli, Campylobacter, Salmonella, Shigella, Botulism, Ciguatera, Yeast, and other agents.

Eric A. Tolles, PE; Electrical Engineer

Industrial machinery; facilities engineering and maintenance; quality control and safety; PLC and computer control applications; electrical, control, and instrumentation systems; pick and place units; automation and robotic systems; material handling and conveyor systems; automotive, steel, food, chemical, glass manufacturing and refinery operations; systems maintenance, troubleshooting, and startup; position control; production monitoring; Man Machine Interface (MMI); alarms; tank controls; furnaces; paint equipment; personnel safety detection; humidity control; plastic extrusion; test systems; communication systems; electrical interlocks (lockout/tagout) and safeguarding; code compliance.

Kevin L. Trangle, MD, MBA, FACOEM, FAADEP, BCIM, CIME, ABIME, CMRO; Medical/Occupational/Environmental Expert

Independent Medical Exams (IME's); environmental and occupational medicine; review of medical records; clinical advice; return-to-work plans; treatment protocols; incidence response; ergonomics; industrial hygiene; regulatory compliance (including ADA); rehabilitation; toxicology; environmental sampling and testing of air, land, and water resources; ambulatory care; back injuries; CPR/First Aid; immunology; water quality and chlorination; fungal infections; organic and inorganic solvent exposure; styrene; asbestos; tertiary disease exposure; oncology; respiratory exposure; dermal exposures; orthopedic.

Bruce E. Van Dorpe, CFI, CFEI; Fire and Explosion Investigator

Origin and cause of fires; fraud fires; arson and conspiracies to commit arson; fire science technology; safety engineering; electric and gas appliance fires; auto theft fires; bomb scene investigations; clandestine drug labs; criminal and terrorist incidents; interviews and interrogations; bomb disposal.

Louis W. Van Liere, PE; Civil/Environmental Engineer

Civil engineering; water and wastewater engineering; treatment facilities; pump stations; sanitary and storm sewer systems; water distribution systems; water booster stations; pipe corrosion; pipe breakages; pumping failures and flooding; site development; hydrologic and hydraulic studies; floodplain management; insurance studies; waste activated sludge pumping; control systems; storage facilities; oxidation ditches; clarifiers; chlorination chambers; fluoridation; cascade aeration; "greensand" filters; turbine pumps; booster pump stations; emergency generator systems; water distribution systems; ozone disinfection facilities; backwash water recovery systems; contract bid documents; biological treatment; wetlands treatment; aquaculture management; containment pond technologies; submersible pumps; flow metering; survey data collection; insurance rate maps; computer modeling; stream hydraulics; HEC-1 Flood Hydrograph Package program; HEC-2 Water Surface Profile program; Hydraulics for Bridge Waterways; Urban Hydrology for Small Watersheds; cost estimates; "water hammer" pressures.

Trent R. Waldron; Recreation Expert

Billiard hall layout and design; standards of operation including safety; pool table refurbishment and service; billiard hall equipment, accessories and supplies.

Chad Walker; Construction and Equipment Safety Expert

Construction and industrial equipment safety operations and procedures, including cranes, loaders, bulldozers, backhoes, fork lifts, skid steers, and aerial lifts; safety program training and maintenance; safety equipment requirements and orientations; employee safety and health issue investigations, reviews, and responses; OSHA and JSHA compliance; unsafe working conditions; safety audits; emergency response drills; emergency action plans; OSHA Trainer.

Konstantin Walmsley, MD; Urologist

Urology diagnosis, surgery, radiation; voiding dysfunction; urodynamics; tumor immunology and biology; pathology; anatomy; physiology; neurosurgery; surgical metabolism; microbiology; immunology; female urology; varicoceles; overactive bladder; sexual dysfunction; pelvic pain syndrome; monotherapy; alpha blockers; urinary incontinence; PSA screening; prostate enlargement; hypogonadism; prostate blocks; transurethral microwave thermotherapy; benign prostate hyperplasia.

Robert P. Walson, PhD; Metallurgical and Materials Engineer

Mechanical and material failures; structure and component analyses including metals, plastics, glass, ceramics, wood, and construction materials; nondestructive, microscopic, and surface chemistry testing; industrial equipment; construction equipment; consumer products; chemical processes; Scanning Electron Microscope and X-ray failure analyses; engine and power system components and materials including turbines; ceramic valve seat inserts; machine elements and design; high temperature cast irons alloyed with aluminum.

William J. Warfel, PhD, CLU, CPCU; Insurance Industry Expert

Insurance losses involving property damage, punitive damage, and personal injury; breach of contract; bad faith; agent and broker liability issues representing policyholders, insurers, and third parties; general liability; homeowners; personal and commercial auto; commercial property; business income; individual life and disability; professional liability; employee dishonesty; workers compensation; financial institution bond; inland marine; surety bond policies.

Sander I. White, DDS; Dentistry/Oral Surgery Expert

Dentistry and oral surgery; review dental and medical records; prosthodontics; clinical instructor; restorative dentistry; dental implants.

William W. Whitworth, PE; Utility Line/Pole Expert and Electrical Engineer

Power poles and overhead and underground electric power lines; NESC code requirements; wood pole analysis; pole loading, guying, and buckling; material failure analysis; compliance audits; conductor sag and tension; conductor blowouts; fuse coordination; fault studies; circuit loading; voltage drop analysis; capacitor bank and control; system reliability indices; system reliability; improvement recommendations; system inventories; inspections; mapping; underground and overhead distribution systems; engineering policies; programmable capacitor controls; guy/anchor failures; easements; estimates; training seminars.

James S. Wickersham, PE, NPSI, NAARSO; Mechanical Engineer; Amusement Ride Inspector; Skiing Expert

Recreational activities, facilities and equipment, including amusement parks, playgrounds, and winter sports; fires and explosions; gas turbine and combined cycle power plants; ski resort maintenance and operations, including security, grooming, training and supervision of all personnel; boiling water reactors; nuclear energy plants, including maintenance, supervision and mechanical tooling.

Schild M. Wikas, DO, DF, FAOCD; Medical Dermatology

Osteopathic medicine; internal medicine; pharmacology; therapeutics; phlebology; dermal fillers; Botox injections; dermatology, including diseases, cancers, surgery, and injections; sclerotherapy; hair transplantation/restoration; Staphylococcal Scaled-Skin Syndrome; Stevens-Johnson Syndrome; Gianotti-Crosti Syndrome; Hyperimmunoglobulin E. Syndrome; Scurvy; Epithelioid Angiosarcoma; Epithelioid Hemangioma; Scleromyxedema; Merkel Cell Carcinoma; cancer screening; venereal diseases; bacterial and fungal infections; cutaneous manifestations; hair and nail diseases; atopic dermatitis; cutaneous malignancy cancer; bullous diseases; Pyoderma Gangrenosum; acne/rosacea; psoriasis therapy.

Michael T. Williams, PE; Civil and Environmental Engineer

Civil/sanitary design including water distribution, sanitary and storm water sewer systems, pump stations, and wastewater treatment plants; administration, inspection and testing for construction of storm sewers, wastewater collection and treatment facilities, activated sludge systems, aerated lagoons, oxidation ditches, sequencing batch reactors, and secondary and tertiary treatment systems; inspector and technician training; site surveying and safety plans; project certifications; failures and malfunctions including foundations, retaining walls, roofs, structural failures, appliances, furnaces, swimming pools, spas, saunas, plumbing systems, hydraulic systems, fire suppression systems, environmental releases, and environmental remediation systems; hydrogeological investigations, aquifer tests, design and permitting.

Vaughn E. Wilson, PE; Civil Engineer

Building, pavement, highway, and bridge design, construction, repair, maintenance, materials inspection, and demolition; material placement specifications; project and material certifications; bituminous concrete; aggregate and bituminous asphalt; surface treatments, joint repairs, and overlays; materials inspection and testing, including requirements; traffic signs and signals; pavement markings; street lighting.

Ralph W. Witherspoon, CPP; Security and Safety Expert

Premises security and safety including planning, implementation and evaluation; crime foreseeability; standards of care; causation issues; use of force; failure to protect; surveillance security systems; profiling and threat assessment; workplace violence; security training management and administration; investigation methodology; comparative security; “negligent security” (for murder, rape, robbery, and assault); false arrest; arson; marine shipping and port terminals; restaurants, bars and lounges; credit card theft and fraud; employee theft; retail and lodging security; mall and parking lot safety and security; loss prevention; shoplifting; crime scene profiling; crowd and riot control; school violence; negligent hiring; police liability.

C. Dennis Wylie, CPE; Human Factors Expert

Human factors and ergonomics engineering; driver fatigue and alertness; driving time studies; sleep quantity and quality assessments; schedule regularity; physiological testing; driver vehicle control performance; cognitive and reaction times; driver licensing standards; safety standards and regulations; driving skills; driving instructor training; truck, bus, and tractor-trailer inspections.

Rachael Xiong, CRC; Vocational Rehabilitation Expert

Life care planning and vocational rehabilitation; LCPStat database; conduct job seeking skills training; disability research; fluent in English, Chinese-Mandarin, and Russian.

**Christy L. Yano, BSN-RN, MSN-CRNP, ANCC, AANP Dual
Certifications; Nursing Expert**

Medical facility "standard of care" procedures; aesthetic medicine service procedures; women's health care; patient care assessments, including heart rate, blood pressure, oxygen saturation, telemetry reading, respiration rate, and pain block procedures.

Robert A. Yano, PE; Mechanical Engineer and Products Expert

Mechanical and thermal systems; HVAC; hot water and steam boilers; turbines, compressors, pumps, vacuum systems and fans; industrial machinery including design, guarding, warning, training, and personal protection equipment (PPE); commercial and industrial refrigeration and freezers; vehicle engines, fuel systems, electrical systems, cooling systems, exhaust systems, drive trains, suspension, steering, body, and interior components, including seats; industrial equipment including lift gates, fork lifts, loaders, dumpsters, and car carriers; car washes; manual and automatic doors; boats and jet skis; steel, refinery, chemical, and power plant equipment; combustion and explosions; bakery and food processing equipment and operations; instrumentation, controls, and equipment and personnel safety systems; thermal, fluid, and heat exchanger systems; material handling systems, conveyors, and robotics; furnaces, heaters, and dryers; water piping and plumbing; pneumatic and hydraulic systems; power tools, including lawn mowers; natural gas, propane and other fuel systems; ergonomics, noise, and vibration; chains; hoists; and trolleys; fire protection systems; tables, ladders, and chairs; grain facility operations, systems, and equipment, including OSHA regulations.

Scott M. Yano, PE; Electrical and Medical Equipment Expert

Inspect electrical and medical equipment for design defects, damage, or misuse; review equipment requirements and specifications; evaluate maintenance requirements and implementation; inspect power supplies, electrical components, wiring, instrumentation, and controls, including design, installation, and utilization: review software programming; assess wireless (RF) and sound controlled equipment performance; evaluate the effects of electromagnetic fields on equipment and personnel.

Nancy Zangmeister, RN, CRRN, CCM, CLCP, MSCC, CNLCP, CBIS

Medical and vocational case management; rehabilitations evaluations; life care planning; spinal cord and traumatic brain injury; heart transplant; amputations; catastrophic disabilities; auditing hospital bills; comprehensive assessments; record analysis and research; chronic health care needs; workers compensation; return-to-work plans; intravenous antibiotics and nutrition; maintaining patient charts; chemotherapy; bone marrow transplant; oncology/hematology; dying process support; burns; chronic pain; pediatrics/cerebral palsy; chronic pain management.

Notes



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