May 13th 7:30 – Breakfast/Vendor Set-Up/Registration		
8:30 - Keynote – *The Changing Face of Communication* – ***Karli Massey***		
Snack & Vendor Exhibition		
	Track One – Safety Topics	**Track Two – Risk Management**
10:30	*Electrical Safety - Navigating NFPA 70E.* ***Eugene Santiago***	*Prevention Through Design* ***Bill Schleyer***
Lunch & Vendor Exhibition		
1:00	*Heat Stress: A Hot Topic in NM in 2024* ***Jay Stimmel***	*Illusion and Delusion of Risk Calculations* ***Mark Hansen***
2:15	*Embracing Challenges in Construction Industry: Communication, Collaboration, and Integrating Safety* ***Mike Starr***	*Selecting Hazard Evaluation Techniques* ***Tim Stirrup***
Snack & Vendor Exhibition		
4:00	*When Things go Boom* ***Mark Hansen***	*Risk Mitigation through Team Participation* ***Bill Schleyer***

Draft agenda – subject to change

May 14th 7:30 – Breakfast/Vendor Set-Up/Registration		
8:30 - Keynote – *Sandia National Laboratories – 75 Years of Change* – ***Rebecca Ullrich, Stanley Kerr-Painter, Christina Rae Chavez***		
Snack & Vendor Exhibition		
	Track One – Safety Topics	**Track Two – Risk Management**
10:30	*Using a Safety Gap Analysis to Ascertain Safety Maturity* ***Mark Hansen***	*The Perfect Storm* ***Lance Perry***
Lunch & Vendor Exhibition		
1:00	*Heat Stress - Data from Construction Workers* ***Fabiano Amorim, Ph.D.***	*Benefits and Limitations of Hazard and Operability Study (HAZOP)* ***Kelsey Forde***
2:15	*Management of Change: Techniques for a Living Hazards Analysis* ***Kelsey Forde***	*The Changing Face of Loyalty* ***Mark Hansen***
Snack & Vendor Exhibition		
4:00	*Crystalline Silica Compliance at Sandia National Labs* ***Cathy Noble***	*"Guaranteeds" - 11 Ergonomic Design Rules* ***Lance Perry***

Draft agenda – subject to change

AMERICAN SOCIETY OF SAFETY PROFESSIONALS

2024 Professional Development Conference

May 13th – 14th, 2024 @ Sandia Casino Conference Center in ABQ

Keynote Speakers

Communicating Change and Adapting to Changing Communication Methods

Karli Massey

Abstract: During conference attendance, as technical speakers share their expertise in risk identification, hazard assessment, mitigation initiation, and change management, determining the transfer of that information back to our organizations, our peers, our management, and the people we support, may be as important as absorbing the information. Take this opportunity to recognize the variation of methods, from person to person and organization to organization, as well as the need to focus on changing communication methods in increasingly hybrid work models to ensure that persons are receiving appropriate and accurate information.

Sandia National Laboratories – 75 Years of Change

Rebecca Ullrich, Stanley Kerr-Painter, Christina Rae Chavez

Abstract: Join us as we discuss Sandia National Laboratories 75 years in New Mexico and embrace change with lab historians and cultural resource professionals. Sandia's original mission was to design, test, and assemble the non-nuclear components of nuclear weapons. It retains that core mission, although assembly is now done at the Pantex Plant near Amarillo, Texas. It has also built on that core mission and the capabilities that support it, to expand into additional areas of national security like energy research and climate studies. It also plays a significant role in global security, with programs in nonproliferation, monitoring, chem/bio security, cybersecurity, and security surrounding weapons of mass destruction. Sandia has also expanded in size, maintaining lab sites in both New Mexico and California, as well as test sites in Nevada and Hawaii. It is currently the largest of the U.S. Department of Energy's national laboratories and of the National Nuclear Security Administration's nuclear security laboratories.

Track One – Safety Topics

Electrical Safety - Navigating NFPA 70E ***Eugene Santiago***

Abstract: The National Fire Protection Association publishes over 300 consensus codes and standards intended to minimize the possibility and effects of fire and other risks. The two codes and standards I will be presenting updates to are NFPA 70 and NFPA 70E. NFPA 70 is the National Electrical Code (NEC), every three years a new version of this standard is published based on public input. The NEC sets the minimum requirements for the installation of wiring methods for housing, commercial buildings, industrial applications, and even agricultural installations. There are 19 panels with voting members and alternates who will review and if reasonable approve or resolve the inputs. The 2026 version of the electrical code will be going through a complete revision. NFPA 70E is Electrical safety in the Workplace, is a crucial document that ensures a safe working environment for employees when dealing with electricity. This standard identifies how to interact with electrical equipment once it has become energized. This

standard is updated every three years, the same as the NEC, the last two versions have been expanded two articles. Article 350 introduces an Electrical Safety Authority as a possible authority having jurisdiction for laboratories. Article 360 was added in the 2021 version, which specifically addresses safety requirements related to capacitors.

Heat Stress: A Hot Topic in New Mexico in 2024 ***Jay Stimmel***

Abstract: An overview of heat stress. A discussion of the impact that rising temperatures can have on employees that will include environmental factors, causal factors, heat related illnesses, acclimation, and the path forward in New Mexico. What we can do to keep our employees safe, alive, and working as the World heats up.

Embracing Challenges in Construction Industry: Communication, Collaboration, and Integrating Safety ***Michael Starr***

Abstract: We spend one-third of our lives at work and yet we continue to struggle with building relationships and communication which is extremely important because it can make construction projects a success or a complete failure. Success in the construction industry includes performing within budget parameters, following the schedule with minimal delays, meeting cost objectives and performing safely. Managing each of these components is quite demanding and takes skillful construction and project managers, engaged workers and supervisors to collectively keep a pulse on every moving aspect. The construction industry is very complex in several ways ranging from supervision, design, code compliance, change orders, risk management, working relationships, environmental, safety and health challenges with the dynamics of regulatory compliance, and especially communication.

This presentation focuses on developing and sustaining strong working relationships and evolving effective communication from a safety perspective. Managing risk throughout the project life cycle of a construction project is key to minimizing the negative impact of uncertainties and increasing the chances of being successful. Managing risk involves those working relationships to be sound and the communication to be clear and concise which sets the foundation for success. Points of discussion will include how to cultivate and sustain strong working relationships, communication methods (pros and cons), communication techniques integrate safety into construction work activities.

When Things Go Boom ***Mark Hansen***

Abstract: Safety professionals are often challenged by needing to know what types of workplace objects can explode, the possible effects of an explosion and ways to prevent or mitigate explosions. Many incidents have occurred where injuries and property damage could have been averted if measures had been taken to either prevent an explosion from occurring or design factors included to reduce or prevent injuries or collateral damage.

This presentation will first look at common workplace devices that have the potential to explode. The second part of the presentation will cover how ignition might occur and methods to prevent devices from igniting. The different types of explosions, including deflagrations, flame speed, blast waves and other parameters will be examined. The effects of explosions will next be reviewed. Blast wave pressures, periods, and peak pressures will be examined, and

the potential for shrapnel and other objects cast by the explosion will be described. The last part of the presentation will cover what we as safety professionals can do to prevent explosions and how to mitigate effects of an explosion.

The Perfect Storm ***Lance Perry***

Abstract: Over the past 50 years, there have been significant changes in the workplace. However, in the past two decades, three separate concerns have exploded and converged onto the scene simultaneously – "The Silver Tsunami™", "The Battle of the Bulge™", and the "The Fatigue Phenomenon™" – and are quietly creating "The Perfect Storm™" that can be crippling to an organization's performance. These changes are forcing companies to respond to the challenges of this "new" workforce. Companies can either batten down the hatches and do nothing or they can prepare for what is coming. Bottom line, "The Perfect Storm™" is fast approaching, and how companies choose to prepare for it will determine their odds of survival.

Heat Stress: Data from Construction Workers ***Fabiano Amorim***

Abstract: Summer has always posed challenges for construction workers, but with the impacts of climate change, the frequency of hot days is more often, making it even harder for construction work. Workers exposed to high temperatures and performing strenuous activities or are new to the job need to take precautions to mitigate the risks associated with heat stress. In this presentation, a researcher from the University of New Mexico will unveil findings from a study conducted in both New Mexico and Kansas City during the 2023 summer months. The study focused on roofers, road and concrete workers, and carpenters, shedding light on the extent of heat exposure and dehydration experienced by workers in both sun-exposed and shaded areas.

Management of Change: Techniques for a Living Hazards Analysis ***Kelsey Forde***

Abstract: Industrial Hygienists work in unique and dynamic environments reflective of the ebbs and flows of operating facilities and industrial operations. In this environment of continual change, how does the Industrial Hygienist ensure the changing hazards and work conditions are mitigated in support of optimal worker safety. An integral aspect of a robust and living hazards analysis process is Management of Change. Management of Change is a necessary step to ensure the Hazard Analysis remains consistent with the ever-changing conditions of the facility/operation. This interactive discussion provides an outline for the framework of a robust Management of Change process. This session is a "must" for Industrial Hygienists and Occupational Safety professionals working with or responsible for creating Hazard Analysis documentation. The Management of Change framework presented herein can easily be adapted to facility-specific "Management of Change awareness" for use by the Industrial Hygienist managing a facility-level hazards analysis, such as those required by 29 CFR 1910.119, Process Safety Management for Highly Hazardous Chemicals, and 40 CFR Part 68, Chemical Accident Prevention [Risk Management Program].

Crystalline Silica Compliance at Sandia National Labs ***Catherine Noble***

Abstract: On March 24th of 2016, OSHA issued a final rule to protect workers from exposure to respirable crystalline silica. Enforcement for the construction industry commenced on September 23, 2017, and for general industry and maritime on June 23 of 2018. This new rule set the exposure limit for respirable crystalline silica to 50 microgram per cubic meter (ug/m3) as an 8-hour time-weighted average. However, in 2017 the Department of Energy (DOE)

adopted, and incorporated by reference, the 2016 version of American Conference of Governmental Hygienist's Threshold Limit Value (ACGIH TLV) for respirable crystalline silica of 25 ug/m3; half the OSHA PEL. As a result, the DOE and its' M&O contractors managing site operations are held to a more stringent standard than that issued by OSHA and the exposure controls identified by OSHA in Table 1—""Specified Exposure Control Methods When Working with Materials Containing Crystalline Silica" may not adequately control silica exposures. This talk will cover how Sandia National Labs used multiple exposure data sources to select respiratory protection requirements, for a version of Table 1 modified to meet the 2016 ACGIH TLV for silica, and how we continue to gather data to verify those control selections.

Track Two – Risk Management

Prevention through Design ***Bill Schleyer***

Abstract: Prevention Through Design is an integrative concept for identifying and removing hazards and creating an efficient safer design and construction environment using a life cycle approach. This presentation will highlight when and how to apply key concepts of ANSI/ASSP Z590.3, Prevention Through Design-Guidelines for Addressing Occupational Hazards and Risks in Design and Redesign Processes. It is not a walkthrough of the Standard. Using a storyline of a major material handling effort and its shortfalls, we will dialogue on concepts, show major interactions and interdependencies, highlight an integrated approach, and give thought initiating examples. We will participate in applying the concepts as you "design" your structure.

Illusion and Delusion of Risk Calculations ***Mark Hansen***

Abstract: The objective of this presentation is to challenge the industry risk management paradigm and concept of "good practice." This presentation will provide a method to manage safety risks to As Low A Reasonably Possible (ALARP). Current methods give safety professional the Illusion of managing risks and the delusion that they have been appropriately assessed. This presentation will address how risk has been assessed in the past and consider and shift in mind set. For example, rather than checking the box safety professionals should consider numerous factors in assessing the risk.

Hazard Evaluation Technique Selection ***Tim Stirrup***

Abstract: Hazard Analysis is a systematic approach to identifying, analyzing, and controlling hazards. Some Hazard Analysis techniques also integrate the element of risk to further evaluate the effectiveness of controls and the levels of both unmitigated and residual risk. Because there are many different applications for Hazard Analysis, it is not surprising the Hazard Analysis process comes in many different shapes and sizes. A common thread between all Hazard Analysis methodologies is the integration of two fundamental elements: 1) Hazard Identification, and 2) Hazard Evaluation. Just as the Hazard Analysis process is varied, so are the resources that outline and discuss this discipline. This presentation will provide a high-level overview of the Hazard Analysis concept, outline several commonly used Hazard Evaluation techniques, and give selection criteria on how to choose the appropriate Hazard Evaluation technique.

Risk Mitigation through Team Participation ***Bill Schleyer***

Abstract: Risk thinking is definitely at the top layer, if not the top focus, for improving safety. Easy to state, harder to do especially as a lone 'safety' person. We will overview concepts of risk, the current risk model of ISO 31000 as a recognized framework for evaluation, and then show linkages to Management Systems. These set expectations but do not themselves achieve. It takes PEOPLE. Will dive into aspects of behavior and attitudes, organizational factors, and the base need for worker and leader expertise and participation. We will leave this short session with broader systems-level awareness which can help you reinforce risk-informed thinking at your work. No absolute answers to "how do I do this risk management thing", but you will consider many interfaces, dependencies, opportunities for communication, and where your safety professionalism can weigh in to enhance safe performance.

Using a Safety Gap Analyses to Ascertain Safety Maturity ***Mark Hansen***

Abstract: A gap analysis starts off as a qualitative tool that can quickly transform into a quantitative tool. It is a way of converting the “gray” of safety and risk measures into “black and white” measures. It can provide the basis for establishing the vision and mission you need to execute substantive and salient changes. It also provides senior management with quantitative measures for improving the current state of affairs. A gap analysis can be used when arriving at a new company to set a starting point with a plan to go forward. It is fairly mechanical to connect the gap analysis to detailed ESH plan methods (e.g., activities) and planning (e.g., PERT Charts) and subsequent financial plans. A gap analysis has many uses. One specific use is that it can also be used when acquiring a new company or assets to bring them up to your company standards. It can be used to benchmark various business units when measuring safety and risk measures. This presentation will discuss gap analyses and how to use them to identify where you need to put your energy as well as, to get management’s understanding of the current state of affairs. Senior leaders today are desiring “black and white” analysis and data. A gap analysis provides real quantified data for quick and easy decision making (often irrefutable). This opens the door for safety and risk professionals to implement need plans. Once the graphical information is illustrated based on real data, the convincing nature in almost impossible to refute as it illustrates the snapshot of where the safety program is in its present form.

Benefits and Limitations of Hazard and Operability Study (HAZOP) ***Kelsey Forde***

Abstract: The Hazard and Operability Study, commonly referred to as HazOp has a unique history in the evolution of the Hazard Analysis profession. Process Safety Management of Highly Hazardous Chemicals (29 CFR 1910.119) and Chemical Accident Prevention Provisions [Risk Management Program] (40 CFR Part 68) specifically name the HazOp as an ""appropriate methodology to determine and evaluate the hazards of the process being analyzed."" If the HazOp is codified within regulations, then why question the validity and use of this Hazard Evaluation technique? This controversial educational session does just that...questions the validity and use of the HazOp as a traditional and ""go-to"" Hazard Evaluation technique. Throughout the hour, we will explore a brief history and timeline of the development of the HazOp Hazard Evaluation technique. We will walk through a high-level overview and step through some visual HazOp examples. We will explore specific benefits and common mistakes encountered with the HazOp. There will be an opportunity for brief discussion and comments, along with

instructor lessons learned from 50+ years of combined Hazard Analysis expertise and a look into our own library of references.

The Changing Face of Loyalty ***Mark Hansen***

Abstract: Over the years we have seen loyalties shift and from the bedrock of one company for a career to very short stints at companies. The model has shifted and is long overdue to be addressed. The changing face of loyalty is now to individuals. Strong leaders engender a gathering no matter where they go taking with them expertise, innovation, and smart safety implementation above and beyond historical performance metrics. This presentation will discuss this and the impact on the profession.

"Guaranteeds" - 11 Ergonomic Design Rules ***Lance Perry***

Abstract: Today's workers have physically demanding occupations. Workers face demands from various physical, physiological, and environmental factors, and the workers feel the impact. Many companies are turning to the science of ergonomics to help address these issues and make the workplace a better place to work. There are 11 ergonomic design rules that are guaranteed to make the work design better for every job, everywhere, every time when they are implemented.

Keynote Speaker Bios

Christina Chavez – Sandia National Laboratories

Christina Chavez has been doing archaeology in the American Southwest for over 20 years. She received a bachelor's degree in anthropology at NMSU and continued on to receive a master's degree in Archaeology at NMSU. Ms. Chavez is a Cultural Resource Specialist, Project Manager, Program Manager, and Principal Investigator with experience including the supervision of all aspects of cultural resource management, NEPA documentation, geomorphological research, and database management. She has more than 9 years of total experience on Federal Installations, including Fort Bliss, White Sands Missile Range, and now Kirtland Air Force Base. In 2018, Ms. Chavez became Sandia National Laboratories (SNL) first, full-time archeologist and in 2019 she stood up a Cultural Resource Program for SNL. Currently her archaeological team manages more than 200 archaeological sites for SNL/NM, and they manage the cultural resources for SNL/California, SNL/Kauai, SNL/TTR, and various other multiple sites in the U.S.

Stanley Kerr-Painter – Sandia National Laboratories

Stanley Kerr-Painter has been an archeologist for 15 years, mainly working in the southwest US. Graduated from UNM with a BA in anthropology/archaeology.

Karli Massey, APR – Sandia National Laboratories

Karli Massey is a principal communications specialist at Sandia National Laboratories in Albuquerque, New Mexico. She leads the development of the Labs' communications strategy. A native of Albuquerque, Karli joined Sandia Labs in 2015 after getting her foothold in the communications profession in electrical utilities in Colorado and California. Her 25+ year career also provided opportunities that vary from advocating for national healthcare

initiatives to elevating local businesses for their community outreach. In 2019, she achieved Accreditation in Public Relations (APR), one of the eminent credentials for communications and PR professionals. In 2024, Albuquerque Business First magazine recognized Karli as one of New Mexico's most influential women in business.

Rebecca Ullrich – Sandia National Laboratories

Rebecca Ullrich has been Sandia's historian since 2003 and is a Distinguished Member of the Laboratory Staff. She previously served as a research historian at Sandia. Her particular area of interest is government-funded research and development, with an emphasis on lab culture. Within Sandia, she answers reference questions, provides material for exhibits and the history web site, and writes and speaks on the Labs' history. She also provides historic building assessments and documents Sandia's historic properties. She is currently deep in the planning and deploying for Sandia's 75th Anniversary.

Technical Speaker Bios

Fabiano Amorim, Ph.D. – University of New Mexico

Fabiano Amorim, Ph.D. is an Associate Professor in the Exercise Science Program at the University of New Mexico. He is an exercise and thermal physiologist with extensive experience conducting studies with humans in both laboratory and field settings. His overall research focuses on investigating the acute and chronic responses to physical work associated with heat stress, spanning from whole-body to molecular levels. His current research involves assessing and describing heat strain experienced by various worker populations, aiming to translate these findings into actionable measures that enhance worker safety. Additionally, he has investigated the effects of working in heat stress conditions on kidney health in laboratory and field settings.

Kelsey Forde, CIH, CSP, CHHM, LSO – Parvati Consulting LLC & Parvati Government Services, Inc.

Ms. Kelsey Forde is a Certified Industrial Hygienist, Certified Safety Professional, Certified Hazardous Materials Manager, Laser Safety Officer, Owner/President and Principal Environment, Health, and Safety (EHS) Professional and System Safety Engineer for Parvati Consulting LLC & Parvati Government Services Inc., home-based in Albuquerque, New Mexico. Kelsey earned a Master of Science degree in Environment, Health, and Safety and a Bachelor of Science degree in Cellular Biology (with Chemistry and Pre-Pharmacy Minor) from the University of Minnesota and has nearly 20-years of experience as an EHS professional including performing and guiding hazards analyses that adhere to the principles in the "Redbook" – Guidelines for Hazard Evaluation Procedures, 3rd Ed (CCPS 2008). Ms. Forde's primary responsibilities and areas of expertise are centered around the identification of workplace hazards and development of consequence analysis associated with hazard analysis, safety assessments, primary hazard screens, readiness reviews, and compliance auditing techniques for a variety of clients including the Department of Energy (DOE), commercial, industrial, and private clients. Additionally, Kelsey was a notable major contributor to the update of DOE-HDBK-1163-2020, Integration of Hazard Analyses, and 2022 Energy Facilities Contractor Group (EFCOG) Teamwork Award recipient for these efforts. Ms. Forde is a National Director, 2023/2024 Chair & Distinguished Lecturer for the Alliance of Hazardous Materials Professionals (AHMP); Chair for the Energy Facilities Contractors Group (EFCOG) Safety Basis Task Group; Vice-Chair/Secretary for the Energy

Facilities Contractors Group (EFCOG) Hazard Analysis Task Group; Past-President, Delegate, & current President-Elect for the New Mexico Chapter of the American Society of Safety Professionals (ASSP); Past-President and Director at Large for the New Mexico Society of Hazardous Materials Managers (NMSHMM; an AHMP Chapter); President for the New Mexico Chapter of the International System Safety Society (ISSS). Kelsey is a long-time supporter, sponsor, and presenter for the International System Safety Society (ISSS), Semiconductor Environment Safety and Health Association (SESHA), American Industrial Hygiene Association (AIHA), and Alliance of Hazardous Materials Professionals (AHMP). Ms. Forde historically served two consecutive Mayoral Appointed terms on the Albuquerque-Bernalillo County Joint Air Quality Control Board (ABQ Air Board). In 2022, Kelsey was bestowed the American Society of Safety Professionals (ASSP) Safety Professional of the Year (SPY) Award by the New Mexico Chapter.

Mark Hansen, MS, P.E., CSP, CPEA, CPSA, SPE – Newport News Nuclear BWXT Los Alamos (N3B)

Mr. Hansen holds a BS degree in Psychology and a MS degree in Industrial Engineering from Texas A&M University. He is a Licensed Professional Engineer (P.E.) in Texas; a Certified Safety (CSP); a Certified Professional Environmental, Health and Safety Auditor (CPEA); a Certified Process Safety Auditor (CPSA), and a Certified Professional Ergonomist (CPE). Mark has authored over 300 publications in journals, magazines, proceedings, chapters in books, and has written three books on career development. He teaches numerous in-person and on-line courses for ASSP. He is a Past-President of the ASSP, a Fellow and a past recipient of the ASSP Safety Professional of the Year award. He continues to serve ASSP in several capacities.

Catherine Noble, CIH, CSP – Sandia National Laboratories

Catherine leads efforts to provide direct guidance in plain language to make compliance with regulatory requirements as straightforward as possible. She holds an MPH from the University of Illinois, Chicago in Occupational and Environmental Health Sciences. She previously worked for New Mexico Gas Company, building a comprehensive health and safety program there over 9 years and spent 19 years as an industrial hygiene consultant travelling nationally to support customers with a wide array of needs.

Lance Perry, PE, CPE, EAC – Sandia National Laboratories

Mr. Lance S. Perry, PE, CPE, EAC is a Distinguished Member of Technical Staff for Sandia National Laboratories. He is a Licensed Professional Engineer and a Certified Professional Ergonomist dedicated to the life-long pursuit of advancing the science of ergonomics. Mr. Perry received his Bachelor of Science in Industrial Engineering from Texas A&M University and conducted his graduate work at Texas A&M University and the University of Texas at Arlington. Mr. Perry specializes in Performance Improvement Programs designed to enhance business performance. He has written over 30 articles and studies in the fields of engineering, safety & health, and business performance. He has over 30 years' experience in aerospace, manufacturing, warehousing, construction, and service industries and an in-depth knowledge of engineering and business. Mr. Perry has appeared live on CNBC's Street Signs as an expert on workplace design and has been published or appeared in Forbes, The New York Times, The Washington Post, The Dallas Morning News, The Associated Press, The John Liner Review, Professional Safety, and other prominent publications to discuss a variety of technical topics that effect companies world-wide.

Eugene Santiago – Sandia National Laboratories

Eugene Santiago has been the electrical safety program/project lead for Sandia National Laboratory for the past three years. He was born and raised in Chicago Illinois where he was a journeyman/wireman for the IBEW 701 in DuPage Co (member from 1990-2018). In 2008 Eugene became a certified electrical inspector, he was the municipal inspector for the Village of LaGrange Park, IL. In 2010 Eugene was contacted to help support electrical inspections in Afghanistan, he spent 15 months (two deployments) developing and implementing the inspection program for "Task Force Power" (Protect Our War fighters and Electrical Resources) where several code violations were documented and repaired to protect our soldiers. During his time in Afghanistan Eugene earned two letters of accommodation and four certificates of appreciation, in 2010 Eugene was approached by Brookhaven National Laboratory in Long Island NY to help lead their electrical installation program. In 2011 till 2020 he managed the inspection program and the non-listed equipment program. Eugene was approached by Sandia National Laboratory to come to Albuquerque, NM and be their subject matter expert (SME), within nine months he became the program manager. In 2023 Eugene was recognized by the Marquis Who's Who as a code professional. Eugene currently sits on the NFPA 70 (national electrical code) making panel number six and supports code updates based on accepted public inputs.

Bill Schleyer, MS, CSP, CHMM – Clover Leaf

Bill Schleyer, MS, CSP, CHMM: Currently a senior ES&H Advisor with Clover Leaf supporting Sandia's maintenance and infrastructure organization. Prior to SNL, Bill was a senor safety professional in the NNSA HQ safety organization participating in the DOE Safety Cultural Improvement Panel, served as Chairperson of the DOE Hoisting and Rigging Committee, ESH Lead at the Kansas City National Security Campus, leading ESH&Q assessments of major construction projects, and general roles offering safety subject matter expertise. He defined and collected performance, objectives, measures and commitments of Partners ISMS and occupational safety effectiveness that supported Partner award fees. He was Director of Corporate Management Systems for safety in NNSA-Safety and Health. Bill has over forty years of safety and health experience in various roles within DOE, DOE contractors, military and the private sector covering numerous functional areas. Some highlights were participating on DOE accident investigations, working with NNSA team in drafting 10 CFR 851, leading an effort to improve expectations for subcontracting and subcontractors. Current areas of interest are the people part of safety and Safe by Design.

Michael Starr, CSP, CIH, CHST, OHST, CHMM – Sandia National Laboratories

Michael D. Starr has 34 years of occupational safety and health and risk management experience with emphasis in areas of safety basis, industrial hygiene, emergency management, radiation protection, transportation and construction. He served in the United States Air Force and has been in various safety and health positions at Sandia National Laboratories for the past 30 years. Mike has a Master of Science in Industrial Safety Management and has earned several professional certifications.

Jay Stimmel – New Mexico OSHA

Jay Stimmel is currently a Compliance Assistance Specialist for New Mexico OSHA. Prior to joining the New Mexico Environment Department more than 18 years ago, Mr. Stimmel worked at Los Alamos National Lab for more than 20 years. His educational background is in chemical engineering and environmental science.

Tim Stirrup, CSP, CHMM, REM - Parvati Consulting LLC & Parvati Government Services, Inc.

Mr. Timothy Stirrup is a Certified Safety Professional, Certified Hazardous Materials Manager, Registered Environmental Manager, Industrial Hygienist, Laser Safety Officer, Partner and Principal Environment, Health, and Safety (EHS) Professional and System Safety Engineer with Parvati Consulting LLC & Parvati Government Services Inc., home-based in Albuquerque, New Mexico. Tim holds a Bachelor of Science degree in Biology and Bachelor of Science degree Chemistry from the New Mexico Institute of Mining and Technology (NM Tech) and has over 35-years of experience as an EHS professional, including performing and guiding hazards analyses that adhere to the principles in the "Redbook" – Guidelines for Hazard Evaluation Procedures, 3rd Ed (CCPS 2008). Mr. Stirrup's primary responsibilities and areas of expertise are centered around establishing the framework for clients in Hazard Analysis within a diverse set of industrial facilities including nuclear facilities, accelerators, semiconductor facilities, R&D laboratories, and dynamic energetic materials testing facilities. Mr. Stirrup provides direct input to Line/Executive Management and Regulators to ensure solutions for continued organizational success. Tim is respected for his ability to work with highly functional teams and solve diverse, complex problems. Mr. Stirrup currently serves as President for the New Mexico Society for Hazardous Materials Managers (NMSHMM); President for the New Mexico Chapter of the American Society of Safety Professionals (ASSP); President for the International System Safety Society (ISSS) Virtual Chapter; Vice President for the New Mexico Chapter of the International System Safety Society (ISSS); Communications & social media Operating Vice-President (OVP) for the International System Safety Society (ISSS). Timothy has served on numerous professional committees and boards throughout his tenure [such as Energy Facilities Contractors Group (EFCOG); Accelerator Safety Workgroup (ASW); Air and Waste Management Association (AWMA)] and has much experience in leading teams. Mr. Stirrup is an AHMP Distinguished Lecturer and is continually asked by clients, peers, and professionals in the EHS community to present at both local and national EHS, Industrial Hygiene, and Occupational Safety conferences.