



# Welcome

**Coeur d'Alene Tech Conference  
and Expo**

**May 29, 2026, 8 am**

## Speaker Line up Coeur d'Alene Tech Conference and Expo

Joe Weiss, Managing Partner at Applied Control Solutions, LLC

Hossein Amini, Senior Engineer – Power System Studies & Grid Modeling

Richard Platt

Doug Kohl, Sustained Lunar Dev SME

Luciano Tarricone, Full Professor at University of Salento

Kiran Kota Interconnection, transmission, Pederales Electric Cooperative

Janisley Oliveira, R&D Team Lead IEEE YP Brazil Chair

Pierre Obed Dorile, Operations Planning Engineer, CAISO

Rishi Kant Thakur, Project Research Scientist-1, Indian Institute of Technology Delhi

Gentry Hewitt, Transmission Analysis/Federal Regulation/Power Engineer, Xcel Energy

Jessie Lewis, Relational Support Grounded in Evolutionary Biology

Mike Werner, Chief Executive Officer, Qualterra

Chris Weer, G.I.T. Geologist in Training city of Vancouver WA, Apex

Hadir Elsayed, Engineering & Technology for Impact, Nuclear Energy, UN General Assembly

Dave Baxter, VP Business Development, Engineered Solutions, Relevant Industrial, LLC

Hunter Lovins, President, Natural Capitalism

David Funk, Zero Emissions Northwest, President

Nirmal Paudel, Ph. D, Consultant, Electromagnetics, R&D, Multiphysics Simulation, FEA,

Tiffanie (DeMaria) Artigas, CM-BIM, groundwork construction project, Verdex Construction

Seth Moore, President & Chief Executive Officer, Co-Founder at Catalyst Energy Services

Dennis Walters, Chief of Staff at STARS Technologies Corporation

## **Roger Dugan, Technical Executive with EPRI**

The OpenDSS program was created in 1997 when the Distribution Planning problem became more complicated due largely to the introduction of distributed generation into the distribution system. Through the 1990's it became apparent that engineers were going to have to include more than the radial MV feeders to get the right answer. The sub transmission (HV) system was added to the model, requiring a meshed system solver – so we adapted methods from a harmonics solver capable of modeling very detailed multiphase power systems. Then we learned that the answer was still not right: the load and generation had to move to account for the coincidence between them. Traditional static power flows gave way to 8760-hour simulations. EPRI made the program open source in 2008 to make its features available to many more researchers and to train the next generation of distribution engineers. Since then, there have been over 200,000 downloads worldwide. There are no doubt thousands of BS, MS, and Ph.D. students whose projects have been made possible by OpenDSS. Many features have been added since its inception, including built-in parallel processing and other support for modern computing architecture. Moving forward, there will be more emphasis on such things as dynamics for microgrid simulations, modern DER and grid conditioning devices, advanced protection/coordination capabilities and better means of accommodating user customization. A tighter connection to the popular Python language and more cross-platform implementations are quite likely.



***Roger Dugan***

**Roger C. Dugan, Life Fellow, IEEE** Roger retired in 2024 as a Sr. Technical Executive with EPRI in Knoxville, Tennessee USA. He has 50 years of combined full-time experience in Electric Power engineering with EPRI, Electrotek Concepts, and Cooper Power Systems. He holds the BSEE degree from Ohio University, Athens, OH (1972), and the Master of Engineering in Electric Power Engineering degree from Rensselaer Polytechnic Institute, Troy, NY (1973). Roger has worked on many diverse aspects of power system engineering over his career because of his interest in applying computer methods to power system simulation. Beginning with a student internship with Columbus and Southern Ohio Electric Co. in 1971, his work has been mostly focused on Distribution

Engineering with several diversions into bulk system analysis. He was elected a Fellow of the IEEE in 2000 for his contributions in the development of computer simulation methods for harmonics and transients' analysis. More recently, he has been very active in distribution generation modeling, particularly as it impacts utility distribution systems and distribution system analysis. He was the 2005 recipient of the IEEE Excellence in Distribution Engineering Award. He is coauthor of *Electrical Power Systems Quality* published by McGraw-Hill, now in its 3rd edition. He serves on the IEEE PES Distribution System Analysis Subcommittee and is active in the Distribution Test Feeders WG. He is also active in the PES Transformers Committee. He is the creator of the OpenDSS computer program and will present how various design features of the program came about.

<https://www.linkedin.com/in/roger-dugan-974b2812/>

*The need for appropriate Purdue Reference Model Level 0 cybersecurity training*

Every sector uses process measurements (pressure, level, flow, temperature, voltage, current position, etc.) and actuators. These are referred to as Purdue Reference Model Level 0 devices. I expected by now there would be commercial and government organizations addressing the unique cybersecurity issues at Level 0. They are not. This disconnect highlights a fundamental problem: much of today's Operational Technology (OT) cybersecurity training assumes a security posture at Level 0 that simply does not exist. That is, just because Level 0 devices are not vulnerable to the threats network security are used to addressing does not mean Level 0 devices are not cyber vulnerable. Government and industry are not teaching, distinguishing, or addressing Level 0 cybersecurity. This also means there are no Level 0 cybersecurity procurement requirements. Focusing on cyber mechanisms that only apply at higher Purdue levels leaves a critical blind spot in the protection of the physical process itself. What is needed is dedicated Level 0 cybersecurity training or the foundation of physical operations will remain vulnerable, regardless of how secure the upper layers of the system may appear. Level 0 control system cyber incidents have caused catastrophic failures in multiple industries and governments. Adversarial nation-states are aware of the Level 0 gap and the reticence by cyber defenders to address it. With the lack of Level 0 cybersecurity, authentication, and appropriate training, OT cybersecurity is built on a foundation of sand.



**Joe Weiss, PE, CISM, CRISC**

**Joe Weiss** is an expert on control system cyber security. He has published over 100 papers on instrumentation, controls, and diagnostics including chapters on cyber security for Electric Power Substations Engineering, Securing Water and Wastewater Systems, and Data Center Handbook. He coauthored Cyber Security Policy Guidebook and authored Protecting Industrial Control Systems from Electronic Threats. In February 2016, Mr. Weiss gave the keynote to the National Academy of Science, Engineering, and Medicine on control system cyber security. He has conducted SCADA and control system vulnerability and risk assessments and conducted short courses on control system security. He has amassed a database of more than 18 million control system incidents. He is an ISA Life Fellow, Emeritus Managing Director of ISA99, a Ponemon Institute Fellow, and an IEEE Life Senior Member. He was featured in Richard Clarke's book- Warning – Finding Cassandras

to Stop Catastrophes. He has patents on instrumentation, control systems, and OT networks, is a registered professional engineer and has CISM and CRISC certifications. He is a member of Control's Process Automation Hall of Fame.

<https://www.linkedin.com/in/joew1/>

## **Hossein Amini, Senior Engineer – Power System Studies & Grid Modeling**



***Hossein Amini***

Mr. Amini is a Senior Power Systems Engineer specializing in power system studies, steady-state and dynamic/transient stability, short-circuit analysis, EMT/PSCAD modeling, transmission planning, and IBR integration. His work spans the full spectrum of grid-level analysis—ranging from high-voltage transmission studies (115–765 kV) to advanced modeling of inverter-based resources, lightning performance, audible noise, and system vulnerability analysis. He has contributed to complex studies for utilities, ISOs, and developers, EMT lightning assessments, audible noise evaluations, and scenario-based transmission planning. Mr. Amini routinely works with PSSE, PSCAD, TARA, TLW, Sigma SLP, PSLF, and large-scale automation using Python. His background includes nearly a decade of real-time ISO/TSO experience in system operations, generation scheduling, AGC, state estimation, and SCADA/EMS commissioning. Hossein combines this operational viewpoint with strong analytical capability and ongoing academic research in stability, cybersecurity, and islanding detection as part of my studies at Virginia Tech. He is passionate about

building resilient, reliable, and future-ready transmission systems.

<https://www.linkedin.com/in/amini-h/>

## Richard Platt



***Richard Platt***

He Who Disrupts Wins Moore & More than the Other Guy" ☆ A Definitive specialty in "Systematic Disruptive Innovation". Specialized in leading & training Engineers on "How to Out-Innovate, Out-Think and Out Compete" corporate rivals. Intel Corporation's last "Innovation Master". +30 years of experience building products on a scale, under budget, and on time to market. Intel Corporate Intrapreneur delivering \$212.5M in ROI/NPV over a 21-month active training period, a skill set of only 1 of 2 globally at the F-100 level. ☆ Fiduciary responsibility to Intel stock holders. Reported and accountable to Intel CEO, CIO, and the 2 Senior Exec Vice Presidents for all R&D and HVM for TMG. SME, Thought Leader on Corporate Strategic Systematic Innovation / Senior Instructor, delivering +\$300M outcomes (Fortune 1000 level). A Theorist and Practitioner in his area of Expertise - having already eaten his own "dog food" "Pathfinding Engineer", Competitive Intelligence Analyst, and one of Intel's "Shadow Warrior's of R&D",

Systems Engineer, dual-degreed in Industrial and Manufacturing Engineering, practiced across multiple Engineering disciplines within a company. Maximizer of OpEx (Operational Excellence), leveraging BKMs from the Discipline of Systematic Innovation for Maximum impact and effect Leadership & Development Credentials: Intel Corporation: 1st Exec level Mentor was the CFO/VP of Finance for 3 Intel Strategic Business Units - Corine Perez 2nd Exec level Mentor and Boss was the Senior Executive Vice President for all of Intel Research (n+3), Pathfinding (n+2), and Technology Development (n+1) - Sunlin Chou 3rd Exec level Mentor was the Senior Executive Vice President for all of Intel High Volume Manufacturing - Bob Baker Additional Mentorship/Guidance: Intel CIO, Doug Busch, Senior Intel Fellow, Gene Meieran, Intel CEO Craig Barrett. Awarded 5 Divisional Recognition Awards and the 2nd Highest Award that you can get at Intel, an Intel Manufacturing Excellence Award US Army: 2X turned down appointment to West Point, US Military Academy. Ran 2 Small Arms Repair shops, supervising lower-rank soldiers, & providing technical guidance as "fighting mechanics". Drill Instructor (candidate) - 104th Division, USAR, Fort Vancouver, WA. Primary Leadership Development Course - Honor Grad - Top 5% of Class - Recommended for "Top Dog" by the CSM of the Academy. Awarded 2 Army Achievement Medals & 1 Army Commendation Medal (merit).

<https://www.linkedin.com/in/richardplatt/>

## Doug Kohl, Sustained Lunar Dev SME



**Doug Kohl**

With over 40 years of experience in the space industry, Mr. Kohl is an SME on Reusable Space Craft managing Space Shuttle Recovery and Refurbishment Operations, Spaceplane development and testing. As a Certified Space Shuttle Test Conductor, he led test teams to recover, refurbish and modify, load payloads, and work with Astronaut crews for Flight Readiness of Shuttle Orbiters for missions. After Shuttle he was Director of Operations for multiple Silicon Valley startups, before Founding Sierra Communications Public Relations Inc supporting Aerospace and Tech companies on media and community outreach programs. Founder and Principal of Sierra Communications PR Inc, with clients as varied as Craigslist, U.S. Navy, Lockheed, & Davis Instruments. Won the CES 2012 Last Gadget Standing with Car Chip data collector and received numerous PRSA Compass Awards for outstanding PR & Marketing Campaigns on behalf of clients.

Founding Director of the AgTech program at

Sacramento Area Regional Technology Association (SARTA) a Startup Accelerator. He was recruited the Operations Manager for the Pacific Missile Range Facility (PMRF) managing the Radar & Telemetry stations as Site Manager and later became the Operations Manager for PMRF on Kaua'i. Blue Origin recruited me from the Pacific Missile Range as an IPT Lead for the Human Landing System (HLS) and he managed Reusable Space Craft Operations and Maintenance, where he established and oversaw the recovery, refurbishment, and launch operations of reusable space vehicles for human space travel and lunar exploration. He formerly Managed Instrumentation & Operations on the Pacific Missile Range and have a degree in Aeronautics-Operations from San Jose State University. He has completed leadership programs from SARTA and Lockheed. He is also a Certified Test Conductor, a NASA-Problem Analysis Instructor, and a Private Aircraft Pilot. As an Operations & Maintenance Space Craft SME, he recruited teams of engineers. Former Founding COO for Titans Space Industries focused on spaceplane dev. Doug enjoys working to ensure the producibility, maintainability, and operability of reusable space craft, reducing weight, increasing performance, and lowering cost and schedule through efficient design. Mr. Kohl founded and curated the Artemis -SLD LinkedIn. My passion in returning Humanity to the Moon came from meeting the Apollo 11 crew while at KSC. Founding COO of Orbital Robots Corp A seasoned group of former Blue Origin leader.

<https://www.mytechconference.com/coeurdalene>

**Luciano Tarricone, Full Professor at University of Salento**



Full Professor at University of Salento, Lecce, Italy. IEEE Fellow, IEEE MTT-S Europe/Middle East/Africa Coordinator, Fellow of Asia-Pacific AI Association, Fellow of Industry Academy in the Int. AI Industry Alliance.

***Luciano Tarricone***

<https://www.linkedin.com/in/luciano-tarricone-940663/>

## Kiran Kota Interconnection, transmission, Pederales Electric Cooperative



***Kiran Kota***

Mr. Kota is a dynamic energy leader with over 20 years of experience powering the future through innovative transmission planning and interconnection expertise. As the Manager of Interconnections at Pederales Electric Cooperative, Kiran navigates the complexities of grid integration. He excelled in steering renewable and storage projects exceeding 1GW through RTOs like ERCOT, MISO, SPP, and WECC with precision and foresight. From my early days as a hands-on engineer at ERCOT to leading transmission strategies at Sunraycer, National Grid Renewables, and Savion, LLC, he has built a career transforming challenges into opportunities. He has worked on capital projects worth over \$100 million from start to finish, delivering end-to-end solutions with technical rigor and strategic vision. By executing tight deadlines and skillfully negotiating Standard Generator Interconnection Agreements (SGIAs), Kiran ensured project success under pressure, saving the day for companies. Whether securing Large Generator Interconnection Agreements

(LGIAs), analyzing data with PSS/E and PowerWorld, or navigating market dynamics like Financial Transmission Rights and congestion risks, Mr. Kota brings precision and impact to every initiative. Collaboration fuels his passion, from mentoring teams to forging strong ties with ISOs, RTOs, and regulators, driving cross-functional solutions to create a smarter, sustainable grid. His mission is to accelerate the energy transition through creative problem-solving and a steadfast commitment to reliability and innovation. Let's connect to spark the next big idea in energy.

<https://www.linkedin.com/in/kirankota/>

## Janisley Oliveira, R&D Team Lead IEEE YP Brazil Chair



***Janisley Oliveira***

devices development.

<https://www.linkedin.com/in/janisley/>

Experienced Technical Leader and Senior Software Engineer with a demonstrated history of working in the consumer electronics industry. 9+ years of experience with embedded systems (Linux device driver development and Android Devices management). 7 years as IEEE YP member. Embedded Software Engineer with a sharp interest in Linux system, especially what is closest to the hardware: Linux kernel, Linux device driver, bootloader, system programming. Skilled in such areas: embedded systems, low-level development (C/C++, Assembly). Deep knowledge of Android Platform. Excellent understanding of Software lifecycle development and commercialization. Proven track record of solid software development under pressure and tight deadlines. Enjoy being part of a team with a hands-on or managerial role as defining concepts and requirements for new projects. Creative, analytical abilities, good technical and innovative problem-solving skills. Currently working in SIDIA - Samsung being responsible for Android mobile

## **Pierre Obed Dorile, Operations Planning Engineer, CAISO**



***Pierre Obed Dorile***

Pierre Obed Dorile is an Operations Engineer at the California Independent System Operator (CAISO) with expertise in transmission operations, NERC standards, and electricity market operations in deregulated environments. He holds a master's degree in Power Engineering from the University of Arkansas, studied mathematics at the École Normale Supérieure, and is a NERC-certified Reliability Coordinator. Obed earned his bachelor's degree jointly from the Faculté des Sciences at the Université d'État d'Haïti (UEH) and the University of the West Indies in Trinidad and Tobago. He has published several IEEE papers in the fields of power systems and electricity markets, which have collectively gathered around 40 citations. His work focuses on transmission operations, grid reliability, and power system optimization, and he is passionate about advancing energy systems in both established

and emerging markets.

<https://www.linkedin.com/in/pierre-obed-dorile-77b92b45>

**Rishi Kant Thakur, Project Research Scientist-1, Indian Institute of Technology Delhi**



Project Research Scientist-1|Chair-IEEE EMBS  
SAC SMP|Co-Chair-IEEE PES SY.

***Rishi Kant Thakur***

<https://www.linkedin.com/in/rishikantthakur/>

## **Gentry Hewitt, Transmission Analysis/Federal Regulation/Power Engineer, Xcel Energy**



***Gentry Hewitt***

Mr. Hewitt is a Power Systems Engineer focused on transmission modeling and regulatory compliance, working to ensure reliable, efficient energy delivery within the frameworks of the Open Access Transmission Tariff (OATT) and FERC regulations. At Xcel Energy, he supports transmission studies and system analysis that help maintain grid stability, enable renewable integration, and meet federal requirements. His work combines technical modeling with legal compliance—bridging the gap between engineering operations and regulatory oversight. He develops steady-state power flow studies and participates in customer scoping meetings to evaluate transmission service requests and maintain transparency and access across the bulk transmission system. Previously, he focused on energy efficiency and generation projects, helping customers reduce energy use

through data-driven HVAC and lighting solutions. His background spans robotics, controls engineering, and machine learning, supported by practical IT and AV support experience from my time at the University of Colorado Denver. He brings a unique combination of engineering expertise, regulatory awareness, and a commitment to advancing clean, reliable, and accessible energy for all.

<https://www.linkedin.com/in/gentry-hewitt-701845132/>

## **Jessie Lewis, Relational Support Grounded in Evolutionary Biology**



***Jessie Lewis***

Ms. Lewis created Friend on Call to reimagine human connection as a biologically essential service — not a luxury. She provides one-on-one emotional companionship rooted in behavioral science and evolutionary biology. FriendOnCall.Org supports individuals navigating self-doubt, loneliness, or life transitions by meeting core human needs: connection, belonging, purpose — through intentional conversation, extrinsic & intrinsic motivation, and nervous-system education.

<https://www.linkedin.com/in/lewisjessie/>

## **Mike Werner, Chief Executive Officer, Qualterra**



***Mike Werner***

Mike is a CEO and growth-oriented executive leader with extensive experience across sustainable agriculture, climate tech, biotechnology, SaaS/technology, venture, and asset management. He has a proven track record in strategic planning, P&L management, business development, commercialization, and team development—consistently driving accelerated growth, business transformation, and the creation of high-performance organizations. Before joining Qualterra, Mike served for five years as President and Chief Executive Officer of multiple software companies spanning fintech, sales enablement, digital marketing, and parking technology. Across these roles, he led modernization initiatives, scaled operations, and positioned businesses for success. Outside of work, Mike enjoys spending time with his family, skiing, fly fishing, cooking, and hiking.

<https://www.linkedin.com/in/mike-werner-28501040/>

**Chris Weer, G.I.T. Geologist in Training city of Vancouver WA, Apex**



Geologist in Training with Environmental Monitoring & FCA Experience.

***Chris Weer, GIT***

<https://www.linkedin.com/in/chris-weer-g-i-t-7a7a77b2/>

**Hadir Elsayed, Engineering & Technology for Impact, Nuclear Energy, UN General Assembly**



Engineer focused on nuclear energy and the carbon-free transition, with experience across aerospace, defense, and sustainable systems. I contribute to global conversations on science and engineering for impact, including speaking at the UN General Assembly Science Summit.

***Hadir Elsayed***

<https://www.linkedin.com/in/hadirelsayed/>

**Dave Baxter, VP Business Development, Engineered Solutions, Relevant Industrial, LLC**

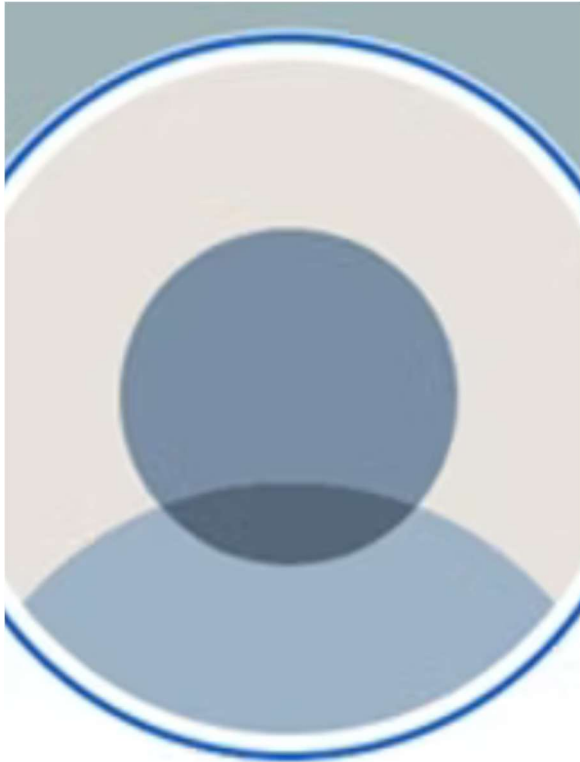


***David Baxter***

Solutions Consultant dedicated to serving every customer with the utmost integrity and commitment to deriving the highest level of tangible and sustainable value possible. Experience and personal discipline allow him to work independently to lead a business initiative, pursuit, or project, equally skilled as a team leader or team member to produce quality results. Having recently seen my customers surpass \$1Billion in Tangible and Sustainable savings has been a landmark accomplishment leading to many new Opportunities where similar returns can be observed. Key Relationships are essential and valued at the highest level, developing long-term partnerships lending mutual value to both our customer and parent organizations. Possess extensive experience serving my customers through what may often become Global Complex Solutions to demonstrate a sustainable return consistently greater than expectation.

<https://www.linkedin.com/in/dave-baxter-39320416/>

## Hunter Lovins, President, Natural Capitalism



***Hunter Lovins***

Hunter is President and founder of Natural Capitalism Solutions and co-creator of the “Natural Capitalism” concept. She serves as Managing Director of NOW Partners. She now serves as the Steward of COPx, a global movement empowering people everywhere to implement climate solutions in their own communities in their own ways. Named Millennium TIME Magazine Hero of the Planet, Hunter Lovins was awarded the Right Livelihood award, the Sustainability Pioneer Prize by the European financial community for her 30 years of work framing the sustainability movement, setting forth the business case for energy efficiency, renewable energy and resource productivity and climate protection and a dozen other awards. A social entrepreneur, she mentors for the Unreasonable Institute, and consults large corporations, small businesses, communities, and dozens of nations around the

world. She served as Chief of Impact at Change Finance, which created the first truly fossil free ETF, until its exit, and on the board of SimpliPhi Power, until its exit. A founding professor of Sustainable Management at Bard MBA and several other graduate programs, she was called by Newsweek Magazine the “green business icon.” Previously, she co-founded Tree People, serving as its Assistant Director for 6 years, and Rocky Mountain Institute, which she led for 20 years as CEO. Author of hundreds of papers and 17 books, including the bestselling, Natural Capitalism. Her book, The Way Out: Kickstarting Capitalism to Save Our Economic Ass, won the Atlas Award. Her book, creating a Lean and Green Business System, won the Shingo Prize. Her most recent book, A Finer Future: Creating an Economy in Service to Life won a Nautilus Award. Ms. Lovins travels the world, lecturing at the World Economic Forum, the UN, WOBI, TED and many others. Her private and public sector clients have included Unilever, World Business Council for Sustainable Development, Wal-Mart, Royal Dutch/Shell, the International Finance Corporation, and the governments of Afghanistan, Australia, Bhutan, Canada, Honduras, Jamaica, Germany, New Zealand, Sweden, the US and many more. Hunter is one of the creators of the field of regenerative economics and helped frame the new discipline of Regenerative Value Creation. A Colorado rancher, she won the Humongous Fungus award for the highest concentration of mycorrhizal fungi. For many years, she was a firefighter and EMT, she now rides for the Boulder County Sheriff's Mounted Search and Rescue Patrol and was named member of the year in 2024.

<https://www.linkedin.com/in/hunterlovins/>

**David Funk, Zero Emissions Northwest, President**



President of Zero Emissions Northwest

***David Funk***

<https://www.linkedin.com/in/david-ruffin-funk/>



***Nirmal Paudel, Ph. D***

He is an **independent consultant specializing in electromagnetic and multiphysics simulation**, supporting product development in the **power, energy, and industrial sectors**. My work focuses on applying physics-based modeling to help engineering teams make confident design decisions early in the development cycle. He bring deep experience in the **simulation and development of electromagnetic devices and systems**, including transformers, motors, generators, actuators, magnetic gears, levitation and damping systems, sensors, eddy-current devices, inductive power transfer systems, and capacitive sensing technologies. His expertise spans both stationary and transient analyses, including nonlinear material behavior. He also have a strong background in multiphysics coupling, with hands-on experience modeling **EM-thermal interactions, Joule and induction heating, heat transfer, and fluid flow** to support performance evaluation, reliability improvement, and lifetime assessment of complex

systems. Using advanced **FEA tools such as COMSOL Multiphysics and Ansys Maxwell**, He helps teams **reduce development risk, accelerate design cycles, and validate complex engineering decisions** before committing to costly prototypes or testing. He enjoys collaborating with teams on **short-term projects, longer-term engagements, technical reviews, and design optimization challenges**. I'm grateful for the support of my network and welcome **referrals, introductions, and opportunities to collaborate**.

<https://www.linkedin.com/in/dr-nirmal-paudel/>

**Tiffanie (DeMaria) Artigas, CM-BIM, groundwork construction project, Verdex Construction**



Driving operational excellence with 20 years of experience in the construction industry coupled with a prolific construction technology background and a passion for innovation and efficiency, I help Project Teams maximize efficiency so that they can deliver quality projects ahead of schedule and under budget by streamlining processes and ensuring proper documentation which increases productivity and reduces errors.

***Tiffanie (DeMaria) Artigas***

<https://www.linkedin.com/in/tiffanie-artigas/>



***Seth R. Moore***

Mr. Moore's focus is simple: engineering frac fleets that perform with power, precision, and purpose—delivering real-world results that improve efficiency, cut emissions, and reduce environmental footprints. Throughout my career, I've led teams and built solutions across the U.S. and internationally. He spent over two decades at Halliburton in operations, business development, engineering, and product line leadership. I went on to serve as VP at Magna Energy Services, Regional VP for the Permian Basin at Key Energy Services, and CEO of Integrity Applied Science. At Catalyst, he led the design and evolution of our Vortex Prime fleets, powered by patented and patent-pending technology. Featuring best-in-class pump efficiency, our self-contained, natural gas-powered

units are designed for high performance with a smaller footprint, lower emissions, and smarter fuel use. Since its inception, our Vortex Prime fleets have saved over \$21M in fuel costs, eliminated over 52,000 metric tons of CO2 emissions, and completed over 34,000 pumping hours. Seth's background spans more than oil and gas. He has held executive roles in healthcare and real estate, giving me a cross-industry perspective on how innovation, operational discipline, and long-term thinking can create lasting value and broad impact. Along the way, he has been fortunate to receive the SPE Meritorious Engineering Award, contribute research through the Society of Petroleum Engineers, and hold seven U.S. and international patents with more on the way. After four decades in the field and the boardroom, one thing is clear: the future belongs to companies that combine smart engineering with responsible execution because that's how we move the industry, and the world, forward.

<https://www.linkedin.com/in/seth-r-moore-1b02908/>

**Dennis Walters, Chief of Staff at STARS Technologies Corporation**



Facilitator, Strategic Planner, Business Development, Management troubleshooter and problem solver.

***Dennis Walters***

<https://www.linkedin.com/in/dennis-walters-54b56211/>



# Thank You!

for joining us in

# Coeur D'Alene ID

**We look forward to seeing you next time at our  
Denver Tech Conference and Expo Sept 25, 2026**

Mike Brisbois, PE

708.668.5488

[mike.brisbois@ieee.org](mailto:mike.brisbois@ieee.org)