
# **Idaho Society of Professional Engineers**

2014 ISPE Annual Meeting

#### May 22 - 23, 2014

*Boise State University*

*Student Union Building*

*1910 University Drive*

*Boise, ID 83725*

**ISPE 2014 Annual Meeting**

**Wednesday, May 21**

**3:00 – 5:00 PM ISPE State Board Meeting**

**Micron Engineering Center (MEC)**

**Room 201**

**Thursday, May 22**

**8:00 – 8:30 AM**  **Breakfast**

**Student Union Building –**

**Lookout Room**

**8:30 - 9:50 AM ISPE Membership Meeting**

**Student Union Building –**

**Lookout Room**

**10:00 – 10:50 AM Closing the Gender Gap in STEM Fields "It's**

**Student Union Building - NOT Working": Women in Engineering and**

**Jordan D Ballroom Computer Science (1 PDH)**

 **Amy Moll, Dean of the College of Engineering at Boise State University**

Since the mid-80's the percentage of women pursuing undergraduate degrees in engineering and computer science has been flat or declining. In addition, although women are nearly 50% of the professional workforce, they constitute less than 15% of the working engineers in the United States. Women leave these fields in higher numbers than men resulting in a continued gender gap throughout all levels of employment.

Efforts in creating outreach activities, special events and camps for girls are not having the far-reaching effect that is needed. After reviewing current data and research on women in engineering and computer science, different types of outreach efforts from across the nation will be highlighted. Societal pressures and ways to counteract them will also be discussed. Part of this session will include a guided brainstorming session to develop an action plan for Idaho to fundamentally shift the interest of girls in engineering and computer science fields.

**11:00 – 11:50 AM** **Green Building Innovations - Remodel of the**

**Student Union Building - CSHQA Headquarters (1 PDH)**

**Jordan D Ballroom Ted Isbell - Project Architect**

**Russ Pratt, PE - Mechanical Project Engineer**

**Mike Jones, PE – Commissioning Agent**

will present the story of the remodel of an abandoned warehouse building into the new CSHQA office headquarters as a showroom and "living laboratory". The project is on track to achieve LEED Platinum under V3 for New Construction and has an EnergyStar score of 98 with a site EUI of 29.5 kBtu/sf. It is the first building in the Treasure Valley to use radiant slab heating and cooling for space conditioning.

**12:00 – 12:50 AM** **Lunch**

**Student Union Building - NSPE in the 80's (.5 PDH)**

**Lookout Room Harve Hnatiuk, PE, F.NSPE**

 **NSPE President-Elect 2013-14**

**2014 Annual Meeting Planning Task Force Co-Chair**

**1:00 – 1:50 PM Using the Scientific Method to Teach**

**Student Union Building - Entrepreneurship (1 PDH)**

**Jordan D Ballroom Denise Dunlap, Executive Director – TECenter**

 **Will Fowler - Manages the creation and implementation of the TECenter’s innovative acceleration programs**

The TECenter will present its findings from using Lean Startup methodology to teach emerging businesses how test product/market/business model hypothesis. This method moves new businesses from a faith-based to an evidence-based approach. In this way entrepreneurs, engineers, and designers spend more time on value-added activities and less time on "getting it perfect" before entering the market.

**2:00 – 2:50 PM The Standards of Professionalism in Engineering**

**Student Union Building - Practice (1 PDH)**

**Jordan D Ballroom Gregory Brands, PE – F. NSPE**

**ISPE President Elect 2013-2014**

This presentation covers current challenges in the engineering profession with regard to ethics, standard of care, and standard of practice. These three components make up the “legs of a stool” that give us credibility, and build our reputation with our clients, and the public. When we fail individually in any of these areas, we pull down the entire profession, and undermine our ability to fulfill our primary mission, to protect the public. What can we do, individually, and as a profession, to help assure we are maintaining high standards in all three areas? What are areas where we might be compromising, and how can we avoid those in our practice? This and more in this informative session.

**3:00 - 3:50 PM Continuing Professional Development – a**

**Student Union Building - Condition of License Renewal 2014 (1 PDH)**

**Jordan D Ballroom** **Keith Simila, PE - IBPEPLS Executive Director**

**James L. Szatkowski, PE - IBPEPLS Deputy Director**

A status report and update of board activities and a history and detailed explanation of the Continuing Professional Development requirements in Idaho.

**4:00 - 4:50 PM The Changing National Flood Insurance**

**Student Union Building - Program and Updating the Boise River Flood**

**Jordan D Ballroom Study (1 PDH)**

**Keri K. Smith-Sigman, CFM - Idaho State Floodplain Coordinator**

**Ryan McDaniel, CFM PMP**

Recent activities of congress and state and local floodplain regulators have and will impact living and working in floodplains in Idaho. On March 21, 2014, President Obama signed the Homeowner Flood Insurance Affordability Act of 2014 into law. This law repeals and modifies certain provisions of the Biggert-Waters Flood Insurance Reform Act, which was enacted in 2012. The presentation will provide details of the legislation.

A new Boise River flood study is underway for updating FEMA mapping. Information will be presented on the status of this study.

Recently ALL 48 Idaho county and tribe All Hazard Mitigation Plan 'Actions' proposed to reduce risk to life & property have been digitized. This is a tremendous market research tool, since most project considerations have not been provided to the project sponsors (local governments) to complete these projects. This tool will be discussed.

**5:30 – 6:30 PM Social**

**Student Union Building -**

**Lookout Room**

**6:30 – 8:00 PM Banquet/Awards Ceremony**

**Student Union Building -**

**Lookout Room**

**Friday, May 23**

**8:00 – 8:30 AMBreakfast**

**Student Union Building –**

**Jordan D Ballroom**

**8:30 – 9:20 AM** **3D Printing: From Rapid Prototyping to Additive**

**Student Union Building - Manufacturing (1 PDH)**

**Jordan D Ballroom Calvin Allan, New Product Development Manager - New Product Development Lab**

 **at Boise State and TechHelp**

 **Steve Hatten, Executive Director - TechHelp**

With 3D printing hitting the mainstream, many people see valuable applications for the technology. Illustrating that use of 3D printed models extends well beyond what many envision is possible, Calvin Allan and Steve Hatten will share their personal experiences from private industry and with customers of BSU’s New Product Development Lab, where they have leveraged 3D printing in a wide range of applications, that include product design, manufacturing, and artistic technical production. In this presentation they will discuss the history of the industry, recent advancements in the equipment and materials, and novel use of the technology.

**9:30 – 10:20 AM** **An Overview of Boise's Geothermal Heating**

**Student Union Building - District (1 PDH)**

**Jordan D Ballroom** **John Gardner, PE – Mechanical Engineering Professor at Boise State University and Director of the CAES Energy Efficiency Research Institute (CEERI).**

Dr. Gardner will discuss the history, operation and recent expansion of the largest geothermal district heating system in the country.

**10:30 – 11:20 AM** **Idaho’s Water Sustainability Initiative (1 PDH)**

**Student Union Building -** **Brian Patton, PE - Planning Bureau Chief**

**Jordan D Ballroom Idaho Department of Water Resources**

Idaho is facing water supply and demand challenges across the state including increasing needs of growing cities, downstream obligations for endangered species, declining aquifers, conjunctive administration water delivery calls and curtailment orders, and changes in the hydrologic regime from climate change. In addition to impacting future growth and economic development in several regions of the state, these challenges call into question whether existing water uses can be maintained. The Idaho Water Resource Board, the Governor, and the Legislature have laid out a broad response that includes a number of strategies to stabilize declining aquifers and provide water supplies to meet these challenges, including managed aquifer recharge, pursuing new and enlarged reservoirs, cloud seeding, water conservation, and other options. In addition, the 2014 Legislature provided both one-time funds and an ongoing funding source to the Idaho Water Resource Board for this purpose.

**11:30 AM – 12:30 PM** **Lunch**

**Student Union Building –**

**Lookout Room**

**12:30 – 3:30 PM JUMP/Capitol Tour (2.5 PDH)**

**Visit one of the largest construction projects undertaken in the heart of**

**downtown Boise**, led by **John Beck of the Hoffman Corporation**. This project covers four blocks of former railroad yard and warehouse district in the Boise River flood plain. **JUMP—or Jack’s Urban Meeting Place**—is a not-for-profit, interactive creative center and community gathering place in the heart of downtown Boise. JUMP is both a place and thing—a lively fusion of environment and experiences designed to help spark talents and interests you may not even know you have. Here, anyone can explore, learn and tinker in the activity studios, collaborate and celebrate in the gathering spaces, or relax in the park or amphitheater. All the while enjoying a kaleidoscope of ever-changing and inspiring activities. The site also includes two office structures house the headquarters of the **Simplot Corporation**.

A short walk will bring the group to **the Idaho Statehouse on the north edge of Downtown Boise. This is the scene of a recent restoration of the Statehouse and addition of two underground wings**. The tour will be led by **Kelly Berard, Project Manager at the Division of Public Works**; **Danielle Weaver and Amy Dockter, CSHQA Architects and Rick Everton, ECI**. Some of the Capitol’s historic and architectural character had been lost through its lifetime. With the expansion of state government during the past three-quarters century, modifications had included the reconfiguration of spaces in order to accommodate new agencies, programs, and additional staffing. The Capitol Commission's vision was the restoration of the Capitol to its original splendor by the year 2005, the centennial anniversary of the commencement of construction of the building. To meet the needs for expanded space for the House and Senate, two underground wings were added with state-of-the- art AV capabilities. Of particular interest are the electrical, lighting and HVAC solutions to bring the building up to code and maintain its architectural integrity.

**Or**

**BSU Tour (2.5 PDH)**

**Get a behind the scenes tour of the new state of the art Bleymaier Football Center at Boise State University** with **Brad Larrondo, Assistant Athletic Director for Football, Joe Saucerman, Vice President, Senior Project Manager with Kreizenbeck Constructors, and Margie Kennedy, Project Manager for Campus Facilities in Architectural and Engineering Services**. This 70,000 square foot facility opened in August of 2013 houses the Boise State football team, complete with weight room, locker room, training room, academic center and recruiting lounge that overlooks the Blue.

and

**Tour some of the research and development labs at Boise State University's College of Engineering** including the:

• New Product Development (Micron Engineering Center Room 413) - Learn how 3-D printing, rapid prototyping and CNC milling machines are helping Idaho inventors, entrepreneurs and manufacturers with product design.

• Boise State Center for Materials Characterization (BSCMC) Labs (Micron Engineering Center Room 113 and Engineering Building Room 108) - See a facility that fosters research and interaction with local industry. BSCMC provides the organization and infrastructure to make various materials characterization tools available for academia and regional companies including electron microscopes and x-ray diffractometers

• Magnetic Materials Lab (Room 103 of the Harry W. Morrison Civil Engineering Building) - Explore Boise State's development of magnetic shape memory materials, testing of their magnetic and magneto-mechanical properties, and their implementation in smart devices.

**Saturday, May 24**

**8:00 AM – 4:00 PMWestern & Pacific Regional Meeting**

**Student Union Building -**

**Farnsworth Room**

# **Contributors**

The Idaho Society of Professional Engineers gratefully appreciates support from the following **Sponsor**:

**Platinum**

**2014 ISPE Annual Meeting Committee**

Lewis Venard, ISPE President

Jim Baker, ISPE National Director

Lynn Olson, ISPE Secretary Treasurer/Jr National Director

Joe Canning, Southwest Chapter

Stephen Loop, Southwest Chapter

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**Biographical Sketches**

**Amy J. Moll**

Amy is a Professor of Materials Science and Engineering and Dean of the College of Engineering at Boise State University. Amy received a B.S. degree in Ceramic Engineering from University of Illinois, Urbana in 1987. Her M.S. and Ph.D. degrees are in Materials Science and Engineering from University of California at Berkeley in 1992 and 1994. Following graduate school, Amy worked for Hewlett Packard in San Jose, CA and in Colorado Springs, CO. She joined the faculty at Boise State as an Assistant Professor in Mechanical Engineering in August 2000. Along with Dr. Bill Knowlton, Amy founded the Materials Science and Engineering Program at BSU and served as the first chair. In February 2011, Amy was became Dean of the College of Engineering. Amy’s research interests include microelectronic packaging, particularly 3-D integration and ceramic MEMS devices. Amy especially enjoys teaching the Introduction to Engineering and Introduction to Materials Science and Engineering courses as well as engineering outreach activities.

**Ted Isbell**

Ted Isbell, AIA, LEED AP BD+C, Architect, oversaw the CSHQA Boise office project. As a project manager with 21 years of experience, Ted works closely with other team members to ensure the delivery of high quality construction documents and organization critical to the success of the project. As an accredited LEED professional, Ted integrates sustainable design into the design process and works diligently to specify products and systems that meet requirements established.

Ted is a Senior Associate Stockholder with CSHQA; a Member of the American Institute of Architects (AIA) and Past President of AIA Idaho.

**Russ Pratt**

Russ Pratt, PE, LEED AP, served as the CSHQA Boise office Mechanical Engineer. As a professional engineer and LEED accredited professional in mechanical engineering, Russ is responsible for the design and construction documents for various commercial and retail projects. He has over 17 years of experience in HVAC, Fire Protection and Plumbing systems design and construction support.

Russ is a National Council of Examiners for Engineering and Surveying, Model Law Engineer (NCEES MLE) and a member of the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE).

**Mike Jones**

Guest speaker Mike Jones, PE, LEED AP president of SEED Idaho served as the commissioning agent on the CSHQA Boise office. As a licensed engineer, a Certified Energy Manager (CEM) and a LEED AP, Michael exercises a thorough and practical knowledge in the fields of mechanical engineering, energy and green building sectors. He has designed mechanical systems for buildings as large as 100,000 sf and has participated in multiple LEED based projects in various roles both domestically and internationally.

Michael is also an ASHRAE certified Commissioning Process Management Professional (CPMP) with extensive experience in the fields of commissioning and retro-commissioning.

**Harve D. Hnatiuk, P.E., F.NSPE**

Mr. Hnatiuk is the 2014-15 President of the National Society of Professional Engineers (NSPE) and is serving as its President-elect in the 2013-14 year.

A member of NSPE since 1980, Mr. Hnatiuk has held many volunteer leadership positions with the Society including being a member of the Executive Committee, Board of Directors and House of Delegates. He has chaired the Dues and Billing Standardization Task Force, the Critical Infrastructure Task Force, the 2013 Conference Task Force (co-chair) and served as vice chair of the L&GA Committee. He currently is co-chairing the 2014 Annual Meeting Planning Committee. In 2005 he was named an NSPE Fellow.

He is also a longtime member of the Pennsylvania Society of Professional Engineers (PSPE), where he has been president of both PSPE and its Valley Forge Chapter. He was honored as PSPE’s “Engineer of the Year” in 2009.

Mr. Hnatiuk is vice president of Maida Engineering, Inc., a professional multi-discipline engineering firm founded in 1978. The company serves clients in all business sectors throughout the US. This month, Harve will celebrate 35 years of employment at Maida Engineering.

Licensed as a professional engineer in 12 states (including Idaho), Mr. Hnatiuk is a 1974 Cum Laude graduate of the University of Pennsylvania where he earned a Bachelor of Science degree in electrical engineering. He received Penn’s “Alumni Award of Merit” in 2012.

Harve is also a member of the IEEE, the Engineers Club of Philadelphia, the American Radio Relay League, and the Thoroughbred Owners and Breeders Association.

He and his wife, Cyndee, reside in Westampton, NJ.

**Denise Dunlap**

Ever the intrepid one, Denise embarked upon her greatest professional adventure in May 2012 when she took on the Executive Director position at the TECenter. In her role of Director/Catalyst/Dorm Mom, she provides coaching, assistance, tough love and a shoulder to cry on to resident companies. She actively cultivates a network of resources for clients that includes mentors, service professionals, investors, faculty and students. She provides leadership and strategic direction for the TECenter in addition to conducting operational oversight of the facility, which includes everything from pulling weeds to washing dishes. A graduate of Boise State’s College of Business and Economics, Denise is thrilled to be in a role that allows her to combine her love for her alma mater with her passion to build and expand a viable entrepreneurial ecosystem in Idaho.

Denise has a strong business background with over 20 years of experience working in the Treasure Valley. She is a partner in Loon Creek Capital Group, which provides consulting and administrative services to Angel Funds. Her previous roles include: business consultant and owner of Areté Advisers, President/CEO of The Network Group, and Director of Annual Giving at the College of Idaho. She is active in the Boise Angel Alliance, the Idaho Technology Council and various civic organizations.

**Will Fowler**

Will is an Idaho native who is deeply involved in the Treasure Valley startup economy. Currently, he serves as the screening committee chair for the Treasure Valley Angel Fund through the Boise Angel Alliance. Will is also a board member for the Nampa Chamber of Commerce and on the selection committee for the Idaho Innovation Awards. In addition to managing the creation and implementation of the TECenter’s innovative acceleration programs, he also works one-on-one with clients on business development and marketing strategies.

In his free time you can catch Will running along the greenbelt, falling down the ski slopes, travelling, reading the latest/greatest fiction or business books (not mutually exclusive), or making a fool out of himself to get smiles out of his wife and daughter. Will holds a B.A. from the College of Idaho, a M.F.A. from the University of Missouri – Kansas City, and a M.B.A. from Northwest Nazarene University.

**Gregory Brands, PE – F. NSPE**

Graduated with a Bachelor of Science in Civil Engineering from Washington State University in 1982; Employment History: Engineering Supervision and Construction Management - Kiewit Pacific Co – 1982-1989; Civil/Structural Engineer, and Project Manager - R.W. Beck and Associates - 1989-1994; Business Entrepreneur – 1994-1997; Director of Engineering - Meckel Engineering; 1997-1999; Principal Engineer - 1999-2007; Staff Engineer – Idaho Transportation Department – 2007-present. PE licenses in WA (1989), ID (1997), and OR (1999). Member ASCE – 1981-1995; Member Idaho Society of Professional Engineers – 2003-present; Served several terms as Northern Chapter President, as well as consecutive terms on the ISPE Executive Board as Jr. Regional Director, Regional Director, and on the House of Delegates representing Idaho at the NSPE meetings. Member of the ISPE Executive Board. Past-President/President-Elect of the Idaho Society of Professional Engineers – 2013-2014. Nominated to Fellow, NSPE, Spring 2014. Regularly assist with local MATHCOUNTS competitions, and as a volunteer organizing and assisting with other ISPE educational and professional development activities.

**Keith Simila, PE**

Keith Simila is the Executive Director of the Idaho Board of Licensure for Professional Engineers and Professional Land Surveyors. He has served in that capacity since May of 2013 which includes oversight of PE and PLS licensure in the State of Idaho. His prior assignments involved various staff and management positions in the US Forest Service in Idaho, Montana, Alaska, and Washington, DC. After 33 years, he retired as the Director of Engineering in Ogden, UT and now makes his home in Boise. During his tenure with the Forest Service, Keith worked on roads, bridges, buildings and related infrastructure, and cleanup of hazardous wastes at former industrial and mining sites.

**James L. Szatkowski, PE**

Jim graduated from University of Utah in 1976 with a BSEE; completed a MSME from Naval Postgraduate School, 1984 and received his professional license in CA in 1984. He is also licensed in UT, WA and ID. He is a retired Naval Engineering Duty Officer and practiced privately in Utah and Washington before joining the state of Idaho as a Project Manager at the Division of Public Works in 2001. He was a member of the Utah PE/PLS Board from 1993-1998 (and 1999 Emeritus). He joined the staff of the Board for Licensure of Professional Engineers and Professional Land Surveyors in 2007 as the Deputy Director. He is a member of the Idaho Society of Professional Engineers, the Utah Society of Professional Engineers (and a Past Western Region Vice President for and a fellow in the NSPE), SAME, and ASNE (Life Member). Jim is also a member of the Exchange Club of Boise

**Keri K. Smith-Sigman, CFM**

Ms. Sigman is the Idaho State Floodplain Coordinator for the Idaho Department of Water Resources where she coordinates the National Flood Insurance Program (NFIP) in Idaho. She actively assists communities with floodplain management techniques and compliance and conducts various NFIP training/workshop opportunities throughout the State. Ms. Sigman has been in this position since October, 2013. Prior to her current position she served as the local floodplain administrator and land use planner for Canyon County, Idaho for 8 years.

**Ryan McDaniel, CFM PMP**

Mr. McDaniel is the Idaho Risk Mapping, Assessment and Planning (Risk MAP) Program Manager at the Idaho Military Division Bureau of Homeland Security providing communities with threat and risk analysis outcomes to enhance overall resiliency and capability development. Ryan works with various hazard mapping project teams to reduce risk to life and property through data development and delivery. Ryan possesses the Certified Floodplain Manager credential from the Association of State Floodplain Managers (ASFPM); Project Management Professional from the Project Management Institute; graduate degree in Community and Regional Planning with concentration on Geographic Information Systems (GIS) in transportation and land use planning; two bachelor degrees in Political Science and Philosophy with focus on public policy and epistemology; a Culinary Arts degree in Classic French cuisine and so he is often found in the kitchen making a mess … and something tasty to eat!!

**Calvin Allan**

As New Product Development Manager at the New Product Development Lab at Boise State and TechHelp, Calvin’s responsibilities span from business development to project management and hands-on product design. For the past 10 years, at the NPD Lab, UGOBE, BOB Trailers and Medtronic, he has had the opportunity to explore a wide range of applications for 3D printing to speed time to market and to reduce risk. Part of Calvin’s role is to manage engineers-in-training (undergraduate and graduate engineering students of Boise State University) as they strive to fulfill client expectations. This management entails facilitation of client communication, mentoring in engineering fundamentals, and senior oversight of all design work. In this role, Calvin works with students and clients to effectively deploy 3D printing as a tool to improve project outcomes.

**Steve Hatten**

As Executive Director of TechHelp, Steve leads a team of eight specialists from BSU the U of I and ISU to help increase the competitiveness of Idaho manufacturers. From 2000 to 2011, he served as Manufacturing Specialist and New Product Development Manager and worked with hundreds of Idaho manufacturing companies and startups. Steve has a passion for introducing and improving product development services for Idaho manufacturers, including product design, 3D printing and innovation management tools to improve product development processes. Steve also served as a member of TechHelp's Lean Team and has supported many Lean transformation efforts with Idaho manufacturers.

**John Gardner**

John is a Mechanical Engineering Professor at Boise State University and Director of the CAES Energy Efficiency Research Institute (CEERI). CEERI is a state-wide partnership that combines cutting-edge research with education and outreach to promote energy efficiency. John also chairs the Campus Sustainability Advisory Board (CSAB), a campus-wide body that coordinates and promotes sustainability practice, education and research at Boise State. He served as chair of the Boise State Mechanical & Biomedical Engineering Dept. from 2001 through 2007. Professor Gardner has published more than 40 referred research papers and 2 textbooks and is a registered professional engineer in Idaho and Pennsylvania. Prior to his appointment at Boise State, Dr. Gardner spent 13 years on the faculty at the Pennsylvania State University in University Park where his research in dynamic systems and controls led to publications in diverse fields from railroad freight car dynamics to adaptive control of artificial hearts.

**Brian Patton**

Brian received a B.S. in Civil Engineering in 1995 from the University of Idaho. He is a Licensed Professional Engineer (Civil Engineering) in Idaho and has been with the Idaho Department of Water Resources since 1995 in various positions of increasing responsibility. He currently serves as the Planning Bureau Chief for the Department and as the Executive Officer for the Idaho Water Resource Board. In this role, he has direct responsibility for all programs, projects and actions carried out by the Water Resource Board, including efforts to resolve the water supply and demand imbalance from the Eastern Snake Plain Aquifer, efforts to increase Idaho’s water storage capacity, operation of the various state water projects, management of the Board’s financial activities, and the revision of the State Water Plan. He acted as the project manager for several major projects undertaken by the Board, including its Dworshak Hydropower Project and managed recharge of the Eastern Snake Plain Aquifer.

 Brian graduated from the University of Idaho with a degree in Civil Engineering. Prior to working at Water Resources, he worked for the Idaho Transportation Department and in the mining industry.

**Kelly Berard**

Kelly is a Project Manager at Idaho Division of Public Works. She is an architectural graduate of Clemson University and has extensive experience with space planning and project management in the private sector. She joined the Division of Public Works as part of the Capitol Restoration team in 2007. Upon completion of the Capitol Kelly continued with the Division of Public Works as a project manager. She has been involved with several projects on historic structures, including the Old Idaho Penitentiary.

**Danielle Weaver**

After practicing architecture in Boston, MA for three years as an intern Architect,

Danielle moved to Boise in 2000 to work at CSHQA as a project manager on the Idaho State Capitol restoration project. She furthered her professional career by obtaining her architectural license in 2004, and becoming a stockholder in 2006. Over the past 14 years at CSHQA, Danielle has coordinated numerous design teams for a variety of projects across the western United States. She currently serves as a Commissioner on the City of Boise Historic Preservation Commission, is an active member of AIA and the National Trust for Historic Preservation, and a Leadership Boise Alumni. In her free time, Danielle enjoys coaching soccer and spending time with her husband and twin 6-year-old boys.

**Amy Dockter, PE**

Amy is an Electrical Engineer at CSHQA and directs the overall management of each engineering discipline to ensure all documentation is included for each project. As an electrical engineer, she enjoys the challenges involved in creating safe, reliable electrical designs. She provides engineering expertise on a multitude of issues and projects, and deems client satisfaction a priority. Attention to detail, organizational skills and strong people skills are critical elements Amy achieves, allowing her to manage multiple priorities. She has a broad range of experience with commercial projects. Amy has more than 19 years’ experience and is a member of CSHQA’s Board of Directors. She is licensed in several states including Oregon and is a member of the National Council of Examiners for Engineering and Surveying, Model Law Engineer (NCEES MLE).

**Rick Everton, PE**

Rick is lifelong resident of Idaho and a graduate of Boise State University with a BS in mechanical engineering. He was a member of the first engineering class to graduate from Boise State University. He started work in the engineering industry with an internship at Engineering Consultants, Inc. in 1996 and have been working in the Boise area ever since. He is currently Director of Mechanical Engineering. He has had the privilege of working on a variety of projects throughout the United States but none more interesting, challenging and rewarding as the Idaho State Capitol Renovation and Restoration project.

# **ISPE Sustaining Organizations**

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For more information about the Idaho Society of Professional Engineers, or to become a member, please contact us

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