Provider: CEFPI

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USGBC ADMINISTRATIVE

Session Number (User created)	Session Title:	Total minutes of Instruction:	GBCI Topic Category (Pick one only)	Session Description (100 words):	Learning Objectives (Minimum of three)	Speaker 1 (Name, Company)	Speaker 1 Qualifications/Biography (Limit 100 Words)	Speaker 2 (Name, Company)	Speaker 2 Qualifications/Biography (Limit 100 Words)	Speaker 3 (Name, Company)	Speaker 3 Qualifications/Biography (Limit 100 Words)	Approved GBCI CE Hours	Leed Specific Course	LEED Rating System Specific Course	COMMENTS
SO201	Sensory CONNECTIONS Perceived Through Architecture	75	Stakeholder Involvement in Innovation	Have you ever wondered how and why the built environment affects one's spirit? Because it certainly does! This session will explore sensory messaging conveyed subliminally through architecture. How can the psychology and experience of space and place positively affect communities, outcomes, and provide the best platforms for learning? This interactive presentation will include slides, props, simulations and problem solving to engage the audience.	Understand how architectural elements are perceivedBetter understand how sensory messages convey perceptions of space and placeUnderstand the formative role school environments play for all of us, and the duration of their impressionsBetter understand how physical and emotional equilibrium can be achieved to promote better learning	Mark Vander Voort	Mark Vander Voort, AIA, LEED AP is a Principal and Director of Education at HKS Architects, Inc. He has led hundreds of school design efforts around the state of Texas. Degreed from Rice University, Mark's career spans 36 years, and is dedicated to executing projects for educational clients. Over the years, Mark has presented numerous times at K12 trade conferences. He is currently serving as President Elect of the CEFPI Southern Region North Texas Chapter.	Dan Arrowood	Dan Arrowood is a Senior Educatrion Designer at HKS Architects, Inc. A graduate of Texas A&M University, Dan has 31 years of professional experience, having worked nationally on early childhood centers, along with many K12 and Community projects across Texas.			1	NO	N/A	
SO202	BIM + CM-at-Risk = Saves You TIME + MONEY especially on Renovation Projects!	75	Stakeholder Involvement in Innovation	Come see how Katy ISD saved time and money pairing CM-at-Risk delivery method and a Design Team who used Building Information Modeling to the fullest. Two concurrent JHS comprehensive renovation projects overhauled MEP systems, upgraded interiors and provided additions to meet Katy's curriculum, technology and safety needs. The delivery method eliminated unnecessary bid day contingency and reduced construction time in half. The BIM technology reduced unplanned costs by constructing the project virtually. This session demonstrates how this extreme make-over was accomplished allowing the district to maximize their capital improvement investment and receive huge returns in both construction and instruction benefits.	Participants will be able to identify the benefits of using BIM software during the design process through observation and discussion of several design coordination examples presented in the two JHS renovation projects (examples = mechanical, structural, plumbing, architecture).Participants will be able to identify the benefits of using BIM software during the construction process through observation and discussion of several construction coordination examples presented in the two JHS renovation projects (examples = clash detection meetings between construction trades - mechanical, structural, plumbing, architecture).Participants will be able to discuss the benefits the Owner can obtain by integrating BIM into their design and construction process through the presentation and participating in the 15 minute Q&A portion of this session.Participants will be able to discuss the cost and time benefits of using BIM technology and CMaR delivery method to maximize the construction dollars identified for the two comprehensive JHS renovation projects presented, by participating in the 15 minute Q&A portion of this session.	Laura Sachtleben, AIA, NCARB, LEED AP	Laura Sachtleben is an Associate Principal and Senior PM at SHW Group with over 10 years of experience in educational architecture. She received her undergraduate degree in Environmental Design at Texas A&M University, and continued her education at Tulane University where she received a Master of Architecture. She believes that architecture can and should serve as a catalyst for innovation in education. Laura was the A/E team leader during the construction phase and will share many examples of the benefit to using BIM in the integrated design and construction of the two highlighted Katy ISD comprehensive renovation projects.	Jennifer Henrikson, AIA, NCARB, LEED AP	Jennifer Henrikson is a Principal-in-Charge for SHW Group with over 21 years of experience in the architectural industry. She received her BS Arch at UT Arlington and her M Arch at the University of Houston. Jennifer believes firmly in the cost saving and constructability benefits that BIM brings to each project in both the design and construction, especially in the comprehensive renovation projects. Jennifer provided the A/E's team leadership in all phases of the project from planning, design, documentation and construction for the two highlighted Katy ISD comprehensive renovation projects.	Peter McElwain, AIA	Peter McElwain has served Katy ISD as District Architect/Planner for the last 15 years, and is responsible for all planning and capital construction items for KISD. Peter's 25 years of K12 experience, spans the entire project delivery spectrum including: site property acquisition, developer interaction, planning, construction, custodial and operations. Katy ISD is one of the fastest growing districts in Texas. Peter and Art Campbell (PM for the 2 projects), participated in all project phases from planning through construction. Peter will share the Owner's perspective and the benefit the District received utilizing CMaR delivery method and BIM technology on these projects.	1	NO	N/A	
SO203	Library Design for the 21st Century Learner	75	Stakeholder Involvement in Innovation	How do trends in library design relate to the evolving thinking about how students learn? Hear about trends in library design, changing thinking about how students learn, and interactive techniques for exploring the relationship between students and library spaces. Learn strategies for observing and documenting the needs of students. As schools move to 1:1 mobile device models, as Westlake High School has, it affects the design choices and space configurations in the library. The librarian and architect will share insights and strategies from their partnership in redesigning Westlake High School Library to highlight the impact of changing technology and instructional methodology.	Carolyn FooteCarolyn Foote is a "techno" librarian interested in the confluence of school change, technology, libraries, and design. As a twenty year librarian, she has guided her district through the changing nature of libraries as her school has embarked on a 1:1 iPad program. Second place winner in the Salem Press Blog Awards, she is also a three time finalist for the Texas Computer Education Association Librarian of the Year. She has recently partnered in a complete renovation/rebuilding of her library, presents frequently about library design at numerous education conferences, and has an upcoming chapter in the book The New Landscape of Mobile Learning.Sean ConnorSean Connor, AIA, is a Principal with Pfluger Associates Architects, and has specialized in educational facilities for the past 24 years. Sean is a member of CEFPI and the American Institute of Architects.	Carolyn Foote	Carolyn Foote is a "techno" librarian interested in the confluence of school change, technology, libraries, and design. As a twenty year librarian, she has guided her district through the changing nature of libraries as her school has embarked on a 1:1 iPad program. Second place winner in the Salem Press Blog Awards, she is also a three time finalist for the Texas Computer Education Association Librarian of the Year. She has recently partnered in a complete renovation/rebuilding of her library, presents frequently about library design at numerous education conferences, and has an upcoming chapter in the book The New Landscape of Mobile Learning.	Sean Connor	Sean Connor, AIA, is a Principal with Pfluger Associates Architects, and has specialized in educational facilities for the past 24 years. Sean is a member of CEFPI and the American Institute of Architects.			1	NO	N/A	
SO204	Engaging Industry Expertise for your Bond Program	75	Stakeholder Involvement in Innovation	For the first time in a decade Dallas' 160,000 student district was to begin work on a new bond program. The $1.36 billion 2002 school bond program, to be followed six years later with another similar scale program, was significantly larger than any prior initiative in the state for schools. Essential for a district highly visible in the media, was to establish an inclusive process for ensuring success in the engagement of design teams and contractors to execute the capital improvements. Learn how a task force of district and industry leaders in architecture, engineering and construction developed the guidelines for a management plan to accomplish the positive objectives.	• Understand the value of an industry task force to offer expertise and buy-in for managing design and construction of District Bond Programs• Understand the critical objectives of managing design and construction programs to achieve success for your District• Understand the benefits of fair and reasonable standard contracts and mechanisms for dispute resolution in a multiple project program.• Understand the necessity of defining the selection procedures, closeout procedures, priorities and project schedule before the start of the program.	Craig S. Reynolds, FAIA	Craig Reynolds was the chair of Dallas ISD's Future Facilities Task Force for the District's 2002 and 2008 Bond Programs. His role in leading the 20+ person task force of each program was to achieve unanimous committee support for the programs, determine the total amount of the bond programs and generally identify the capital improvements to be accomplished with the $2.7 billion school bond funds. Craig was the 2012 President of the Texas Society of Architects; he is a Fellow in the AIA, the 2009 recipient of the Texas Society of Architects Pfluger Award for Community Service and is a managing principal of BRW Architects.	Phil D. Jimerson, RTSBA	Phil Jimerson is the Construction Program Manager for Grapevine-Colleyville Independent School District since 2012. Previously he was the Deputy Chief of Operations for Dallas Independent School District and had oversight of the Operations Departments including Facility Services, Maintenance and Operations, Food & Child Nutrition Services and Construction Services. He had direct responsibility for the office of Construction Services which is the office responsible for planning and implementing the 2002 and 2008 bond programs. The 2008 bond program included the construction of 14 new schools, 13 addition and renovations to over 200 existing schools. Mr. Jimerson joined the Dallas Independent School District after 19 years of service with the Grand Prairie Independent School District, where he served as Assistant Superintendent. During his tenure in Grand Prairie, he successfully administered five school bond referendums.	Raleigh Roussell	Raleigh Roussell recently retired after 40 years as President and CEO of TEXO. TEXO is The Construction Association resulting from the consolidation of QUOIN, a Chapter of AGC and the ABC North Texas Chapter. TEXO represents over 1900 commercial construction companies in North and East Texas. Roussell has participated in numerous industry and community activities including Past President and founding member of the Juvenile Diabetes Foundation. He is currently on the Board of Visitors at the University of Oklahoma, Oklahoma State University and Texas A&M University. His most distinguished honors include being named the S.I.R. Award recipient in 1993, the construction industry's highest award. He was named an Honorary Life Member of the American Institute of Architects in 1994 and was inducted into the "Contractor Hall of Fame" at Texas A&M University in 2006. In 2011 an endowed scholarship was established in his name by the faculty, students, and industry partners at the University of Oklahoma. Roussell holds a Bachelor of Science degree from Louisiana State University.	1	NO	N/A	
SO205	Building Optimization and Sustainability	75	Stakeholder Involvement in Innovation	The design and implementation of mechanical, electrical, and lighting systems, and the resulting effects on building sustainability and overall building operation is a conversation that must be had in order to fully realize the potential of any facility. Join us for an interactive discussion as we review specific case-studies, learn the conversations and processes that must take place to achieve an optimized building, and discover the resulting effects on the sustainability.	Learn to effectively define opportunities to optimize the facility and how these opportunities impact the sustainability of the facility.Learn to properly communicate between the design team and the owner to facilitate optimization and sustainability.Learn to educate facility designers, operators, and owners to properly design, operate, and implement building systems to promote optimization and sustainablity.Learn to implement building optimization over the life of the facility.	Cameron Symes	Cameron Symes, P.E. Professional Engineer Bachelor of Science in Mechanical Engineering Certified Geoexchange Designer Cameron Symes is a project manager with Estes, McClure and Associates. Cameron has managed the design on chilled water, geothermal, and Dx systems across the state of Texas. Cameron has participated in the design of multiple LEED buildings including the Michaelis Academic Center, LEED Gold, and the Emergency Services Training Center, LEED Platinum pending, at McLennan Community College. Cameron is also a central plant optimization specialist. Building optimization in design and implementation is a primary focus for Cameron on every project.					1	NO	N/A	
SO206	Daylighting: the Cornerstone of Green Classroom Design	75	Stakeholder Involvement in Innovation	Today's architects and designers have largely lost the ability to appropriately daylight classrooms. As a result, some of the best examples of daylit schools in our area were built in the 50s and 60s as finger plans. Unfortunate later trends have consisted of windowless classrooms, double-loaded corridors (windows on one side only), and mobile classrooms. The superior daylighting in finger plan classrooms will be demonstrated through case studies: a series of local classrooms built in different styles. Each case study will consist of a description of lighting and fenestration strategies, isolux diagrams derived from actual daylight measurements, and surveys given to the educators and students.	Define daylighting, why it is important, and how it saves energy while improving student performanceKey daylighting strategies: toplighting and side-lightingHistorical trends in classroom design will be reviewed and analyzed with regards to daylightingDaylighting benefits: energy-efficiency, lighting quality, connection to outdoors, perfect color rendering, great and timeless architectural design, improved productivity, healthier environments	Keith Simon	Keith Simon is an advocate for sustainable design. Keith was a graduate teaching fellow and research fellow in Environmental Controls at the University of Oregon, participating in the training of Environmental Controls professors from around the country as part of the Agents of Change federal grant to improve sustainable education. Keith teaches Environmental Controls at the University of Texas School of Architecture and is the founder of the Austin Building Enclosure Council. Keith received the 2012 Emerging Professional Award from the Austin AIA. Keith now works for Wiss, Janney, Elstner Associates, Inc. doing building diagnostics, repair, and peer review.					1	NO	N/A	
SO207	The Death of the Textbook: How Student Needs and School Planning are Changing in the Digital Age.	75	Stakeholder Involvement in Innovation	Many of today's school have already felt the effects of a digital curriculum, but what downstream effects in school design will impact student's ability to embrace today's technology to perform and collaborate better? We will take a look at how student's cognitive learning skills have blossomed with the integration of 21st century instructional technology and how the slow disappearance of the textbooks will change the way schools are planned and designed. Will schools shrink in size? Will schools grow based on the student demand for flexibility and collaboration? What traditional and out of date program spaces will slowly disappear over the next decade and what new spaces will been needed to sustain student success, create curriculum integration and to promote long term creativity and innovation our society will demand for this country's next generation. The questions and more will be answered during this very provocative and thought provoking presentation.	Discussion regarding traditional compared to contemporary teaching styles and school program spaces.Review of 21st century learning and technology teaching trendsInsightful knowledge regarding the power of student collaboration and project base learning.Review of innovative, cost effective and flexible ways to plan schools for an unknown future.	Patrick Glenn	Patrick Glenn, AIA, REFP, LEED AP, Principal, is the K12 Regional Practice Leader for Perkins+Will in Texas and currently works in the Dallas office. With 17 years of educational leadership, planning and architectural design experience spanning a wide range of educational clients across the state of Texas, Patrick is known for listening to specific client needs and providing a clear understanding and design direction of the critical issues facing school districts and educational facilities. Patrick offers unique expertise to help foster creative, organized and long term design strategies to better enhance the student learning environment. Patrick contributes the knowledge of participating in over 60 educational projects during his career including the award-winning Cedar Ridge High School, Hector P. Garcia Middle School and Rosemont Elementary School.	Courtney Johnston	Courtney Johnston, RID, IIDA, LEED® AP, Senior Associate, is the Director of Design for Interiors in the Perkins+Will Dallas office, Courtney is a key and recognized figure in supporting the integrated design approach bringing creative interior solutions to projects from concept to completion. Courtney is a talented designer with experience in many project types and sizes, including all comprehensive public high schools to smaller stand along elementary schools to private schools spanning not only the Dallas-Ft Worth metroplex, across the great state of Texas. Courtney's innovative approach to mentoring and teaching have helped develop interior design programs at national universities. Her responsibilities begin with initial programming working directly with clients to establish project goals and objectives; she develops design concepts, color and material palettes, furniture selections, and develops the designs through aid in documentation and specification.			1	NO	N/A	
SO208	Energy Conservation Results	75	Stakeholder Involvement in Innovation	Round Rock ISD has gone through a significant growth period over the last decade. In that time, the district has built numerous schools and associated facilities opening new campuses almost yearly since 2000. The district always strives to install the most efficient HVAC and Controls systems available and this presentation will point out that the HVAC and other equipment available today is continuing to significantly improve efficiencies over previously installed equipment. This provides opportunities for districts to reduce operational costs for the life of the campus and return those dollars to the classroom-side of the budget.	How the district achieved past energy efficiency goals (BTU/SQ FT, etc)What are realistic energy efficiency goals in today's marketConstruction types that assist in achieving those goalsHow utility rate structures affect a district's energy costs	Alan Albers	Alan Albers is Exec Dir, Operations & Facilities Services for RRISD. In that time, he has worked in RRISD since 1999 and has led the Facilities organization that includes Construction, Maintenance, Energy Management, and Custodial activities. Since that time, the district has grown from an enrollment of 28,000 to over 45,000 students and has built over $750M worth of educational facilities. Mr Albers has a Mechanical Engineering degree from Texas A&M University and has been active in CEFPI for many years.	Wesley Perkins	Wesley Perkins is the Energy Manager for Round Rock ISD and has been in that role for 2 1/2 years. Since arriving at RRISD, Wesley has saved the district over $2M in its annual energy bill and operations budget through renewed utility contracts in today's market as well as implementing a variety of energy conservaton measures in the daily operation of HVAC systems across the district. Prior to ariving at RRISD, Wesley worked in the HVAC industry in the Houston market for many years where he was considered a champion for energy conservation by his clients. Wesley has a BA in Business from St Leo University and an MBA from Rice University.			1	NO	N/A	
SO209	Site Feasibility - Finding Fatal Flaws	75	Stakeholder Involvement in Innovation	A discussion of the methods used to study a candidate parcel of land to determine whether or not it is suitable for the intended development. Topics include evaluating pertinent aspects of civil engineering, geotechnical analysis, geology, archaeology and cultural resources, endangered species, ecology and jurisdictional wetlands, phase I environmental site assessments, entitlements, surveying, and permitting. In a tag-team format, speakers from a variety of backgrounds and of various disciplines will deliver a program with a flexible structure allowing audience interaction during the main part of the presentation. Case studies will be presented to reinforce the message.	Determining the attributes and entitlements of a propertyUnderstanding the development plan and its implicationsKnow your consultant resources and their capabilitiesPutting it all together to form conclusions and make business decisions	Mark D. McNeal	In the professional consulting business since 1972; Educated in Science, Communications, and Land Surveying; Project Management for 20 years; 2007 Recipient of Founder's Award for Project Management; Principal designer and Project Manager for numerous projects constructed in Central Texas including K-12 schools & support facilities, colleges, hotels, apartments, office buildings, shopping centers, and residential development; Particular expertise in conducting feasibility studies for candidate sites for various developments and land uses.	Daniel J. Brown, PE, LEED AP	Dan Brown is a project manager and civil group leader for Atkins in Austin, Texas. He has a total of 13 years of experience in the land development, engineering and construction industries. He has provided site analysis reviews, engineering, and project/construction management services for federal, public and private clients. He is a licensed professional engineer and graduated from The University of Texas at Austin with a bachelors degree in civil engineering. Mr. Brown is also a LEED accredited professional.			1	NO	N/A	
SO210	Paradigm Shift in Defining Accessibility	75	Stakeholder Involvement in Innovation	The focus of educational facility design is often placed on building compliance with codes, regulations and instructional delivery goals. Achieving seamless integration of building components to better address the sensory and social aspects of learning will require a paradigm shift. Designers, as well as other stakeholders, need to employ an empathic design philosophy to allow comprehensive access to learning for students and an ease of incorporation for teachers. This session will explore the many facets of the learning and teaching experiences as well as design concepts that foster success for all end users of educational facilities.	Identify the different type of Barriers that exist in Accessing Education, i.e. Physical barriers, social barriers and IEP barriers.Accessibility has to be understood by designers in a more broad sense than building code compliance, it is about access to learning.Get Feedback from the Participants in the room!! This is key to understanding some experiences different school districts are having with "Barriers" to Educational Access.Show how flexibility in a built environment is the key to student achievement, when considering all possible challenges and learning styles students engage in.	Wayne Reynaud	Wayne Reynaud has over 23 years of experience in providing architectural planning, design development and construction administration services. As an Associate Principal with PBK, Wayne is responsible for planning, managing, and coordinating all phases of project development. He has directed the production of numerous multi-million dollar projects while satisfying multi-faceted program requirements and meeting budget goals. His extensive experience includes: bond planning, master planning, facility assessment, programming and multi-discipline design services, cost estimating and project closeout. Wayne is highly skilled in maintaining quality assurance processes through continuous communication with all clients and personnel.	Dr. Karen Rue	Karen Rue, Ed.D., joined Northwest ISD in July 2005, as the Superintendent of Schools. Under her leadership, the district continues to make gains in increasing academic success for all students. While at NISD, Rue has led three successful bond elections. The first bond election was held in 2005 for $224 million, the second in 2008 for $260 million, and the most recent on November 6 for $255 million. She is currently serving on the State TEA Consortium of Superintendents Evaluation Team of State Assessment and also served on the Superintendent's Panel for the 2010 CEFPI Conference in Fort Worth.	Kerri Ranney	Kerri Ranney is an associate at PBK Architects, a full service architecture & engineering firm serving the education, healthcare, government and corporate markets. She works as a client executive, managing all aspects of her clients' design and construction projects. Kerri is also an attorney and advises her firm on legal and regulatory issues and changes in the industry. Kerri is a recognized leader in the educational design profession, including her volunteer work on the regional board of directors for the Council of Educational Facilities Planners International (CEFPI).	1	NO	N/A	
SO211	They Said It Couldn't Be Done! - Planning and Passing a $1.89 Billion Bond Referendum	75	Stakeholder Involvement in Innovation	Trying to obtain funding for building and renovating schools has been very challenging for the past few years, and urban school districts are confronted with an infrastructure that has suffered from the lack of funding for maintenance. In November of 2012, the voters in Houston approved a $1.89 billion bond referendum that will essentially rebuild all of the high schools in the district, provide facilities to support K-8 education, and construct or renovate a number of other site-specific and district-wide facilities. This presentation will provide insights into the strategies and commitment that it took to pass the bond and the magnitude of the effort that is involved in successful implementation. If we can do it, so can you!	Participants will understand the planning process required to identify project needs.Participants will understand the political strategies that can help to convince voters to support a bond referendum.Participants will understand the structure required to implement a fast-tracked, large scale bond program.Participants will understand the essential aspects of community engagement in planning and implementing a school construction program.	Sue Robertson, CEFP	Ms. Robertson integrates experience in the fields of education and design in her work as an educational planner. She has a Bachelor's degree in elementary education and has worked as an educator from elementary through university levels. Sue has a Master's degree from Florida State University in Interior Design and experience in space planning for educational facilities as well as commercial office buildings. As an educational planner, Ms. Robertson has assisted numerous districts in facility assessments, developing educational specifications, and district-wide master planning. In 2001 Sue formed Planning Alliance, a corporation that provides facility planning services for K-12, higher education, and business clients. Planning Alliance relocated to New Orleans, LA, in 2007. Sue is currently the General Manager, Facility Planning, for Houston Independent School District is responsible for overseeing the planning for a recently-passed $1.89 billion bond-funded building program.					1	NO	N/A	
SO212	2013 Texas Legislative Update	75	Project Surrounding and Public Outreach	Is the Texas Legislature planning major changes to school design and construction requirements? Are there going to be any new "green" mandates? Will there be additional funds to aid schools with their construction costs? Get the answers to these and all your other school facility questions and concerns as they relate to the current session of the Texas Legislature.	Attendees will gain a more thorough understanding of the structure of the Texas Legislature.Attendees will gain a more thorough understanding of the process by how bills become law.Attendees will gain a more thorough understanding of how to track legislation on-line.Attendees will gain a more thorough understanding of bills currently under consideration in the legislature that could affect the design, construction, or operation of school facilities.	Gary B. Marek	Gary B. Marek is a Facilities Consultant with the OnSite Facilities Services Program at the Texas Association of School Boards (TASB). Prior to joining TASB in December 2012, Mr. Marek served as Director of School Facilities for the Texas Education Agency (TEA), where he oversaw the School Facilities Standards, the Science Lab Grant program, the Qualified School Construction Bond program, the Qualified Zone Academy Bond program, and the School Transportation Allotment program. Mr. Marek's career with the State of Texas began in 1984. Prior to joining TEA in December 1998, he worked for the General Services Commission in the Facilities Leasing Section for seven years. His first eight years in State government were spent enforcing accessibility laws with the Architectural Barriers program of the General Services Commission and the Texas Department of Licensing and Regulation. Mr. Marek has an undergraduate degree in Architectural Engineering from the University of Texas at Austin, and a Master of Business Administration degree from Southwest Texas State University. Mr. Marek is a Recognized Educational Facility Planner and currently serves on the Board of Directors of the Central Texas Chapter of the Council of Educational Facility Planners International.					1	NO	N/A	
SO213	Sustainable Energy Efficient Roofs: Myths vs. Facts.	75	Project Site Factors	While roofing materials available today are the best performing in modern history, roofing systems are being challenged to be more energy efficient, become platforms for solar and mechanical equipment, and accommodate vegetation for Green Roofs. Facility owners are confronted with a bewildering array of emerging issues such as condensation in "cool" roofs, new wind resistance criteria, and important warranty exclusions. Participants will learn how to address these issues in their facilities. The program will be conducted utilizing case examples with illustrative photographs and ample opportunity for questions.	Learn the fundamentals of low slope design and constructionLearn the proper application of contemporary roofing materialsLearn the fundamentals of sustainable roofing systemsLearn the myths and truths about energy efficient roofing	Edis T.Oliver	Edis Oliver is a licensed engineer and a Principal in the firm Wiss, Janney, Elstner Associates. He has 38 years experience in the roofing industry as the owner of both a roofing contracting firm, and a roof consulting firm. Oliver has designed roofing systems for such entities as IBM, the University of Texas, Texas A&M University, Austin Independent School District, and many other educational institutions. Oliver is past president of the Roofing Contractors Association of Texas and the Central Texas Chapter of the Associated Builders and Contractors. He holds a B.S. degree in Mechanical Engineering from Texas A&M University, and an MBA from the University of Chicago. In 2012 he was presented with the Curtis Blackwell Memorial Award by the Roofing Contractors Association of Texas for the outstanding contribution to the roofing industry in that year.					1	NO	N/A	
SO214	Facilities: Foundation of Safe and Effective STEM and CTE education	75	Stakeholder Involvement in Innovation	Join us for a quick update on the science education and CTE research and best practices and the role that facilities play in improving education. With ever increasing financial pressure, avoid mistakes that undermine effective instruction in science and CTE by learning from case studies. Bring your most difficult questions for group collaboration and problem solving.	Update on research on safety in science and CTE facilitiesUpdate on best practices in science and CTE instructionClarify the role of facilities design in promoting effective science and CTE instructionAvoid mistakes that undermine safe and effective science and CTE education	Sandra S. West	Dr. Sandra West, winner of state and national awards in Science Education leadership, is the co-author of the national science facilities standards (NSTA Guide to Planning School Science Facilities). Her research on safety is the only 20-year longitudinal study on Texas science facilities. The new focus on CTE requires a new approach and collaboration between two similar disciplines and facilities needs. Her bi-weekly classroom visits in over 20 districts provide current data on strengths and weaknesses in design. Her other research focuses on the integration of science and math and the role of principals in effective STEM education.	Brad Pfluger	Brad Pfluger (AIA, REFP, LEED, AP), of Pfluger Architects has extensive design and construction experience of educational facilities including incorporating innovative ideas from student design and architecture teams at project schools			1	NO	N/A	
SO215	Blue Pill or Red Pill: The Matrix of Perspectives An Exploration of a Decision Making Tool That Sets the Goal of a Project	75	Stakeholder Involvement in Innovation	It's time to "free your mind" from the "Matrix" of Facility Planning today. Before building a facility, it is important to understand the multiple perspectives of district stakeholders as they pertain to architecture, design, function and budget. By examining sustainability, technology, operations and different variables of the learning environment, this seminar will not only showcase how to plan for a 21st century facility, but also how to make initial design decisions that take all stakeholders into account. In an entertaining presentation format, we invite you to come experience just how far the rabbit hole can go.	Learn how to identify key stakeholders in the community that will be instrumental in passing a bond.Learn how to make design decisions that will be sustainable for the future.Learn how to eliminate operations issues and inefficiences in a facility.Learn how to create a 21st century learning environment for students of the future.	Mark R. French, AIA, REFP, RID, LEED AP BD+C	Mr. French is a Senior Principal of a 60+ person Architectural firm focused on the educational and institutional market. As the Principal in charge of Technology for the firm, he has been involved in the research, development and implementation of several Internet based project management extranets since early 1999 and implementation of handheld wireless field reporting devices. With over 27 years of experience, Mr. French offers extensive design and project management experience in educational, religious and public works facilities from small scope renovations to complex $100,000,000+ new facilities.	Dayna Owen, Assistant Principal	Ms. Owen received her Bachelor's of Science degree in Early Childhood and minor in Human Performance and Nutrition at University of Houston Clear Lake (UHCL). She earned her Masters Degree in Mid-Management and Principals Certification from UHCL. Ms. Owen taught mathematics for twelve years with the last three in Friendswood.	Calvin Powitzky, AIA	Mr. Powitzky began his career as a designer with Skidmore, Owings and Merrill in San Francisco, California. In 1976 Mr. Powitzky opened his own architectural firm and in 1981 he founded PBK Architects of Houston, a firm that focused on educational architecture. In 1995, Mr. Powitzky and Mark French founded Bay Architects, a service-oriented design firm specializing in educational and institutional architecture. With over 40 years of experience, many of Mr. Powitzky's projects have been honored with design awards and have been published in leading architectural magazines and journals.	1	NO	N/A	