Provider:	American Institute of Architects Washington DC Chapter													GBCI CE HOUR APPROVALS			
Conference:	DesignDC 2013																
Date:	September 25 - 27																
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	Is session LEED-specific?	Session meets LEED-specific requirements for the following LEED AP Specialties:	COMMENTS
09/26/2013sa07	What's in It? Advances in Material Transparency	90	*Improvements to the indoor environment*	The move toward disclosure of the chemical composition of construction materials is building momentum. For years, there have been efforts to obtain and manage information about the bewildering range of materials that go into any building. In the last year, the Health Product Declaration(HPD) Collaborative released its open standard for the reporting of building product ingredients, a growing number of manufacturers, and the International Living Futures Institute released its Declare Label that documents the absence of "Red List" chemicals in a given material. Presenters will discuss the state of the transparency movement with reference to publication of their red list tracking tool for the Chesapeake-Bay Foundation Brock Center.	Uncover the recent developments in material transparency tools such as the Health Product Declaration; design a data collection and management system for the Red List and Appropriate Sourcing Imperative of the Living Building Challenge; understand the implications of the Health Product Declaration and how to use it in the specification of building materials; develop an outreach program to request material composition data from manufacturers.	Wade Ibele, PCSI, Construction Specifier, SmithGroupJJR	Wade has 35 years of industry experience coordinating the construction and building information documentation throughout the life of a project. He is well-versed in sustainable design practices and participated in the Health Product Declaration Collaborative pilot committee – an organization committed to the improvement of the building industry's environmental and health performance. He currently serves on the Board of Directors for the Construction Specifications Institute, and previously served as Regional Vice-President and National Institute Director.	Russell Perry, FAIA, Vice President, SmithGroup JJR	Russ manages SmithGroupJJR's Washington, DC office and co-leads the firm's corporate sustainability efforts. He is widely regarded as a thought leader on sustainable practices, helping guide the profession and its clients toward a balanced planning approach that views efficient use of resources as integral components of quality design. Russ has been an active member of the USGBC since 1994 and helped lead the firm's LEED Implementation Initiative. In 2011, he was the firm's representative on the Green Building Regional Priority Chapter Area Development Task Team. Wade is the Southeast Region President Elect for the Construction Specifications Institute, and previously served as Regional Vice-President and National Institute Director.	n/a		n/a	1.5	No	N/A	
09/26/2013sa15	Building, Renovating and Maintaining Facilities for Occupant Health	90	Other/Multiple	Recent events have drawn attention to the relationship between buildings and public health. This talk will explore building design strategies, as well as growing awareness of the relationship between the built environment and the occupant's experience of the modern workplace and home. Topics covered will include: ground movement toward and predicted benefits of healthy workplaces and residences; describe the considerations and health impacts associated with daylight quality, electric light quality, acoustical quality, thermal and ventilation quality, and the way these attributes affect occupant health; describe active design; implement essential healthy building design and renovation and maintenance strategies to optimize the above attributes.	Identify the key elements of administrative and residential facility design, renovation and maintenance relating to occupant health; describe the current state of the green building movement toward and predicted benefits of healthy workplaces and residences; describe the considerations and health impacts associated with daylight quality, electric light quality, acoustical quality, thermal and ventilation quality, and the way these attributes affect occupant health; describe active design; implement essential healthy building design and renovation and maintenance strategies to optimize the above attributes.	Sandra Leibowitz, AIA, LEED Fellow Managing Principal, Sustainable Design Consulting, LLC	Sandra Leibowitz is founder and Managing Principal of Sustainable Design Consulting, LLC (SDC) a profit-consulting and training firm operating from offices in Richmond, Virginia and Washington, DC. Sandra, a nationally recognized LEED Fellow, has been involved in the development of the LEED rating system for projects and dozens of organizational programs to serve a wide range of client types with expert green building services. In 2011 the Green Building Certification Institute included her among its first class of LEED Fellows. Sandra has authored numerous articles and guidance documents and speaks frequently on a wide range of sustainable design and development topics.	n/a		n/a	1.5	No	N/A	
09/26/2013sa65	Public Works: Reclaiming Infrastructure	90	*Land/use and urban design*	This seminar will explore DC's historical regimes of infrastructure in order to inform participants' thinking and proposals for the future. After attending this session, participants will have an expanded concept of public infrastructure versus capital improvement projects; related to the dynamics of our cities, and will be able to incorporate historical infrastructure projects for a more sustainable future. Attendees will gain a better understanding of state and federal infrastructural investment and development, and the way these investments affect urban form. Participants will leave this session with historical knowledge of four significant historical infrastructural projects within the District of Columbia.	Apply an expanded conception of public infrastructure versus capital improvement projects related to the dynamics of our cities; explain how to repurpose significant historical infrastructure projects for a more sustainable future; understand state and federal infrastructural investments and developments, and the way these investments affect urban form; demonstrate historical knowledge of four significant historical infrastructural projects within the District of Columbia.	John K. Burke, AIA, Principal, Studio Twenty Seven Architecture		Craig Cook, Designer, Studio Twenty Seven Architecture		Todd Ray, AIA, LEED, Principal, Twenty Seven Architecture.	1.5	No	N/A	
09/26/2013sa24	Case Study: Residential Energy Conservation, Power Distribution and Management	90	Other/Multiple	WaterShed, the international prize-winning solar house built by University of Maryland students, faculty and professional partners was purchased by electric service provider Pepco and moved to Washington, DC where it is being used as a learning design as it relates to energy use, conservation, and power management. Participants will also hear how Pepco plans to develop a WaterShed campus which will serve as a living classroom highlighting advanced power management technologies, including solar energy, renewable, smart grid benefits, advanced metering infrastructure, home area network and testing, smart thermostats and appliances, inverter technology, and electric vehicle charging research, development and deployment, and the integration of these technologies into the built and natural environments.	Describe WaterShed's original design as it relates to energy use, conservation, and power management; define the concept of a living classroom; describe the WaterShed campus to serve as a living classroom that will highlight advanced power management technologies, including solar energy, renewable, smart grid benefits, advanced metering infrastructure, home area network and testing, smart thermostats and appliances, inverter technology, and electric vehicle charging research, development, and deployment, and the integration of these technologies into the built and natural environments; explain the importance of a home's power generation and management strategy to the larger community of which the building is a part; describe a model of architectural education for the future in which the design process and the building itself can create a hybrid "school" capable of delivering an education to a generation that will necessarily function in a trans-disciplinary setting different than the one which characterizes the recent context of architectural practice and education.	Amy E Gardner AIA LEED AP, Associate Professor, WaterShed Principal Investigator, University of Maryland School of Architecture, Planning, and Preservation	Amy Gardner is a principal in Gardner Mintz Architects LLC and a clinical professor at the University of Maryland School of Architecture, Planning, and Preservation. She is a two-time veteran of the Solar Decathlon, serving as Architect and Principal Investigator for the 2011 team and as Advisor for the 2009 team, respectively. In her practice, Amy guides her clients to make sustainable choices in their everyday lives. Her projects have been recognized with American Institute of Architects local, regional, and national awards. Widely published, her efforts have been televised in venues such as the Learning Channel and Discovery Communications' Planet Green Series.	Brian Grieb, Lecturer, WaterShed Faculty Advisor and Project Manager, University of Maryland School of Architecture, Planning, and Preservation	Brian Grieb, AIA, LEED BD+C is a practicing architect and teacher with over 18 years experience in the design and construction industry. As a founding partner of GAD architects, he blends his passion for design with his desire to make a positive contribution to the built environment and to improve the workplace wins, respectively, in her practice, Amy guides her clients to make sustainable choices in their everyday lives. Her projects have been recognized with American Institute of Architects local, regional, and national awards. Widely published, her efforts have been televised in venues such as the Learning Channel and Discovery Communications' Planet Green Series.	Shuk Yin Chuk, electrical engineer, Pepco	Shuk Yin Chuk is an electrical engineer at Pepco with 5 years of experience in project management and substation engineering and design. She is a graduate of the University of Maryland, earning a Bachelor of Science in Electrical Engineering and a Master of Engineering in Electrical Engineering. Shuk Yin was the project lead from Pepco in partner with the University of Maryland to site the 2011 Solar Decathlon winner, WaterShed in the Pepco's service territory where it will serve as a "living classroom" to demonstrate its original technological and design innovations.	1.5	No	N/A	
09/26/2013sa2	Gaddy House: LEED Platinum, Passive House and Living Building Certified	90	*Synergistic Opportunities and LEED Application Process*	The Gaddy House, currently under construction, is seeking a "grand slam" of sustainability. This 2,000 square foot house in Clarksville, Maryland, is seeking a LEED Platinum rating, certification as a Passive House, and the Living Building Challenge and a Living Building Challenge certification. In addition to the difficulties inherent in each of the certifications, some of the demands of each of the systems conflict with the requirements of others. The Owner of this house will be a part of the panel, presenting his rationale for pursuing this goal and what he hopes to accomplish through engaging in this process. Each of the siding systems has it own consultant for the project and each will present their experience in pursuing the certification for the Gaddy House and how they have had to adjust their approach to fit the project. Other team members including the architect, landscape architect and contractor will be available for the Q&A period.	Discuss the challenges and opportunities in building a project seeking multiple certifications and aspirational goals; describe the Gaddy House project and why it is being built; explain what a Passive House is and why it is applicable to an actual project; describe the challenges of designing for Passive House certification and discuss the lessons learned from this project; summarize what is involved in creating a Living Building and the challenges of documentation and certification.	Peter Dow, FAIA, LEED AP, Founder and Partner Dow Consulting LLC	Peter Dow, FAIA, LEED AP, is founder and Partner of Dow Consulting LLC. He is a recognized leader in the sustainability industry with experience assisting companies and project teams meet their sustainability goals. He is a Fellow of the American Institute of Architects and has been a consultant for the Gaddy House. He is much indebted to the members of the DC Living Building Committee and Megan Griffith, a Morgan State University student intern, for their assistance with documenting the project.	Edward Gaddy, PhD Physics, Owner of the Gaddy House	Ed has been interested in preserving and improving the environment for many years. This is in part due to his career as a spacecraft solar array engineer, which spurred his interest in terrestrial photovoltaic systems. Ed's interest in sustainable design and construction has led him to pursue a project that he has immersed himself in the LEED Reference Guide as well as information provided by the Living Building Challenge. He is aiming to make contributions to environmentally benign residential design and engineering with the construction of a home that meets the requirements of the Living Building Challenge, LEED Platinum, and PASSIVE house.	Janice Romonosky, President, Pando Alliance	Janice has been skillfully certifying housing projects since 2008. In 2010 she formed Pando Alliance which provides expert, hands-on management of residential green building certifications of all types. With more than 100 projects in her portfolio, Janice is passionate about helping her clients deliver better performing, efficient, and environmentally sound homes for all. Janice has long supported green building education and advocacy, currently serving USGBC MD Chapter's Multifamily Committee and HBA of MD's Green Building Council. Janice is the LEED Consultant for the Gaddy House.	1.5	No	N/A	
09/26/2013sa45	The Brock Center: Sustainable Design and the Chesapeake-Bay Foundation 14 Years Later	90	Other/Multiple	The pioneering design of CBF's Merrill Center, the first LEED Platinum building in the world, paved the way for the widespread adoption of sustainable design. Fourteen years later, the same team has reunited with CBF to design the Brock Environmental Center, once again seeking to create the most environmentally sensitive building possible. The Brock Center is pursuing the Living Building Challenge, targeting net-zero energy, water, and waste. This presentation will highlight the sustainable design strategies used in the Merrill Center, the lessons learned from the post-occupancy study of Merrill Center, resulting in the next evolution of sustainable design. Sustainable approaches include on-site photovoltaics, wind turbines, daylighting, natural ventilation, ground-source HVAC systems, composting toilets, and rainwater harvesting. The design team's architect and lead mechanical and electrical engineers will also discuss the design as well, a new set of energy simulation tools that have guided an integrated design process.	Identify lessons learned from the design of the Merrill Center; which approaches were repeated and which are approached differently, based on a better understanding of sustainable considerations; explain the Living Building Challenge as a benchmark for sustainable design that goes beyond LEED Platinum; discuss the energy potential of the site, including considerations for solar (photovoltaics) and wind turbines; and how the economics of net-zero energy drive design decisions; analyze how energy modeling, airflow modeling, and daylighting simulation incorporate into an integrated design process to optimize performance.	Greg Mella, Principal, SmithGroupJJR	Greg Mella, FAIA, LEED AP BD+C, is a Vice President and Co-Director of Sustainable Design at SmithGroupJJR. He was the project architect for the world's first LEED Platinum project: the Chesapeake-Bay Foundation headquarters in Annapolis, Maryland. Greg frequently shares his sustainability expertise at national conferences and to national news media, including Newsweek, BNR, Architectural Record, Architect, and Building Design + Construction. A past member of the AIA's Committee on the Environment Advisory Group, Greg currently serves on the AIA's 2030 Commitment Steering Committee. Greg is a registered architect in Maryland, Virginia, and the District of Columbia.	Brian Coffield, PE, Associate, SmithGroupJJR	Brian Coffield, PE, LEED AP BD+C, is an Associate and Lead Mechanical Engineer in the Learning Studio of SmithGroupJJR's Washington, DC office. In this role, he focuses on energy efficient mechanical designs for historic facilities including the selection of historically accurate and appropriate light fixtures, furnishings and finishes. Her project portfolio also includes space planning and tenant fit out projects for a wide range of facilities from governmental and public office buildings to national museum facilities. Her project experience ranges from historic preservation, renovation and construction projects, to existing conditions assessments and historic structures reports.	Sara Lagunes, PE, LC Principal, SmithGroupJJR	Sara Lagunes is a Principal and the Learning Studio Lead Electrical Engineer for the Washington, DC, office of SmithGroupJJR. Sara draws on a wide base of experience in lighting design, electrical engineering, and construction for every project she works on. Sustainability plays a priority in her work, and she brings this design sense into all projects that she is involved with, ranging from daylighting studies and simulation to the design of photovoltaic systems for on-site power generation. Sara holds both bachelors and masters degrees in architectural engineering from Penn State University.	1.5	No	N/A	
09/26/2013sa33	Taking Cues from Historic Materials: Revitalizing the Interiors of the National Academy of Sciences	60	Other/Multiple	This presentation will discuss the interior finishes approach of the National Academy of Sciences multi-million dollar rehabilitation, designed by Quinn Evans Architects and completed in 2012. This presentation will survey of the historic interiors of 1920s Bernard Goodhue-designed building with its 1960s Harrison and Abramovitz additions. Informed the modern interior interventions. The selected finishes reflect a careful observation of the historic finishes as well as those from successive renovations and additions. Original finishes such as the Goodhue-designed Gold Room's gold leaf mosaics, and decorative woodwork were carefully restored. Original features and finishes covered up by successive renovations were exposed and restored. New spaces found by enclosing courtyards and combining corridor spaces were given a contemporary aesthetic that also complemented the historic finishes in material selection and color palette. The gallery, performance, and conference spaces will be shown to blend both the past and current aesthetics.	Discuss the multi-million dollar renovation at the National Academy of Sciences interior finishes; describe how to blend new spaces and contemporary finishes with historic spaces and finishes; describe the architectural history of the National Academy of Sciences and the discovery of the 1960 through survey and construction and how they influence contemporary design.	Thomas C. Jester, AIA, LEED AP BD+C, Quinn Evans Architects	With over 20 years of experience in the field of architecture with a focus on historic preservation, Mr. Jester has worked on projects for both public and private clients. His project experience ranges from designing adaptive-use and rehabilitation projects, to surveying existing conditions, to preparing historic preservation studies and master plans. He is skilled at managing clients and developing consensus for complex planning and design projects that involve historic buildings. He brings high levels of expertise on mid-century materials and preservation issues and philosophy. He is well-known as the editor of Twentieth-Century Building Materials: History and Conservation.	Katie Irwin, AIA, IIDA, LEED AP BD+C, Quinn Evans Architects	Ms. Irwin's career brings a unique combination of experience in historic preservation blended with interior design experience. She has guided the design of renovations including conservation treatments as well as interior design for historic facilities including the selection of historically accurate and appropriate light fixtures, furnishings and finishes. Her project portfolio also includes space planning and tenant fit out projects for a wide range of facilities from governmental and public office buildings to national museum facilities. Her project experience ranges from historic preservation, renovation and construction projects, to existing conditions assessments and historic structures reports.	Michael Kramer, President, The Gilders Studio, Inc.	Mr. Kramer is founder and President of The Gilders' Studio, Inc. He learned the trade from a master decorator while working his way through the University of Maryland in the late 1980s. In 1995 he formed the studio and has concentrated on broadening his horizons in decorative painting and all forms of gilding. Michael is a noted educator and author in his field, teaching for the Smithsonian as well as the Society of Gilders, and is a 2003 Recipient of the Washington Building Congress' Craftsmanship Award. He is also a Trustee of the Society of Gilders and is currently President.	1	No	N/A	
09/26/2013sa2	EarthCraft and Multifamily: A Team-based Approach to Better Buildings	60	*Project systems and Energy impacts*	In this roundtable discussion, team members will share their experiences with the EarthCraft Multifamily program and how the program has evolved. The EarthCraft program has evolved into one of the largest green building programs in the country. It continues to grow and provide a more sustainable future for all by taking a practical approach to constructing environmentally responsible projects, making them accessible to a variety of market sectors including affordable housing. EarthCraft secures energy and water savings, healthier indoor air quality, and reduced maintenance and utility costs attributes that are critical to moderate and lower income residents.	describe how the EarthCraft Multifamily program and a team-based approach have evolved to make better buildings more sustainable; higher quality building; describe the sustainable design and planning goals stressed by EarthCraft and how they impact an Architect's design and thought process; identify the construction techniques and materials that are required to achieve an efficient and sustainable design to become a demonstrable sustainable building; describe how EarthCraft benefits the developer and owner/operator of a multifamily project.	Philip Agee EarthCraft Virginia	Philip Agee serves as the Technical Manager for EarthCraft Virginia. For the last five years he has managed the EarthCraft Virginia program, providing technical assistance, design consultations and assist project teams and contractors to provide technical assistance, design consultations and assist project teams through the certification process. Since 2008, Philip has trained hundreds of building professionals on green building best practices and has managed the successful certification of 10,000+ multifamily units. Philip is a certified Home Energy Rater, a BPI-Building Analyst, and is currently pursuing his Certified Passive House Consultant certification.	Jeremy Arnold, AIA ikonosta | Hanesign, Architects	Jeremy Arnold, AIA is an Architect with ikonosta | Hanesign Architects and has earned the LEED AP BD+C credential. He has been with the firm for 7 years, where he has been responsible for the design, documentation, and construction of numerous commercial, institutional, residential, and mixed-use projects. As the project architect on the Jordan apartments in Arlington, he saw first-hand how the team-based implementation of the Earthcraft program benefited all parties and led to a well-crafted, high-efficiency, and sustainable building.	Thomas Wallings, AIA AHC, Inc.	Thomas Wallings, AIA LEED AP is an architect with AHC Inc. AHC Inc. is a not for profit developer of affordable housing and community facilities. Thomas has been with AHC for 5 years and has been participating in multifamily design and development throughout the East Coast. he recently has been involved with five AHC Inc. Earthcraft projects in Virginia, two of which have been completed and certified, including the Jordan apartments. As the developer's representative, he was responsible for coordinating the design team and the implementation of the Earthcraft process and certification.	1	No	N/A	
09/26/2013sa64	Energy Modeling: Tools and Application to Frame Future Buildings for Performance	90	Other/Multiple	Energy codes are increasing the performance requirements for new construction, and green building criteria seek performance beyond minimum code compliance. Energy modeling is an impactful tool for informing the building design process to achieve these requirements. This session will outline a methodology for using energy modeling to inform the design process for performance targets. The Green Guide for Department of Energy's integration of a graphical user interface called Energy allows EnergyPlus to be used more easily and effectively. Providing tools that are user-friendly and produce reliable results is critical for adoption of energy modeling in the integrated design process. The second part of this session will demonstrate the features of Simergy from incorporating the building geometry to visualization options for resultant data.	describe the performance requirements of current energy codes and green building criteria and future trends; identify how to apply energy modeling tools to inform the design process to achieve performance targets; explore Simergy and the Green Guide for EnergyPlus; describe the process to develop energy models using Simergy and how to visualize resultant data.	Teresa Rainey, PE, LEED AP BD+C, Director, SOM	As the Director of High-Performance Design at SOM, Teresa Rainey integrates technical tools with sustainable strategies to achieve high-performance goals. A LEED-Accredited Professional, Ms. Rainey's commitment to environmentally responsible technology is exemplified through research, continuing training, and a willingness to consider innovative design solutions. Ms. Rainey's active involvement with organizations such as the USGBC, ASHRAE, and IBPSA-USA has led her to author the Green Guide for Architects: Best Practices Except Low-Rise Residential Buildings; the GSA's Design Excellence National Peer Review Program; and Center for the Built Environment Industry Partner, have helped to establish her as an industry leader in the design of high-performance buildings.	Amir Roth, PhD, Technology Manager for Building Energy Modeling, U.S. Department of Energy	Amir Roth is the technical manager for building performance simulation tools at DOE's Building Technologies Office (BTO). He oversees the development of BTO's portfolio of energy simulation tools, primarily EnergyPlus. Prior to joining DOE, he was an Associate Professor in the Computer and Information Science department at the University of Pennsylvania. He served as a software developer at Lawrence Berkeley National Laboratory and as a lecturer at the University of California, Berkeley. He earned his Ph.D. in mechanical engineering at the University of Wisconsin-Madison in 2001 and a BS in Physics from Yale University in 1996. He is a member of ACM, IEEE, ASHRAE, and IBPSA-USA.	1.5	No	N/A	
09/26/2013sa76	The Capitol Grounds: New Knowledge of the Past Will Guide the Future	90	Other/Multiple	This past, present and future of iconic Capitol landscape is revealed in this in-depth presentation. The recently completed Capitol Grounds Cultural Landscape Report is a comprehensive report and a sustainable trajectory for the core of our nation inspired by the original Olmsted design. The Architect of the Capitol team will present the process, findings, and direction that are shaping the Capitol landscape toward enhanced sustainability and historic integrity for the 21st century.	Describe the the Capitol Square Cultural Landscape Report (CLR) process, purpose, and outcomes; describe the Capitol Grounds, Architect of the Capitol and sustainable competencies; explain the interdisciplinary process and components of the Capitol Square CLR as they relate to the historic and sustainable aspects; describe the past, present and future of the Capitol Grounds; identify the documentation that reveals Olmsted's vision and big ideas for the Capitol Grounds; identify the application of Olmsted's designs to enhance historic character, sustainability and iconic value into the 21st century landscape.	Ted Bechtel, Superintendent of Capitol Grounds, Architect of the Capitol	Theodore R. Bechtel, Jr. is the Superintendent of the Capitol Grounds and oversees the landscape maintenance of nearly 270 acres of the Capitol Complex, including the preservation of the historic landscape designed by Frederick Law Olmsted in 1874. Prior to his current position, Mr. Bechtel worked as Superintendent of Gardens and Grounds at the Hagley Museum in Wilmington, DE, and as Horticulturist at the Hampton National Historic Site in Towson, MD. Mr. Bechtel has a Bachelor of Science degree in Ornamental Horticulture and Environmental Resource Management, with a minor in Forestry, from Pennsylvania State University.	Mary Shoes, Preservationist, Architect of the Capitol	Mary Shoes is a preservation specialist at the Architect of the Capitol. There, he oversaw the development of Cultural Landscape Reports for Capitol Square and the Senate Parks. He has twenty-five years of experience working in the public and private sector specializing in the fields of historic preservation and architecture. Prior to that he worked as an architectural designer at Swanke Hayden Connell Architects, and as an Capitol Hill Architect for the General Services Administration. Mr. Shoes has a MArch from the University of Maryland and a M.Sc. in Historic Preservation from the University of Pennsylvania.	1.5	No	N/A	
09/25/2013sa27	Reframing The Business Case for Green Buildings	90	Other/Multiple	In recent years, a number of studies have been published on the business case for green buildings, from increased rent premiums and sale prices to reduced vacancy rates and improved public perception. However, these studies have been produced by a variety of organizations with different methodologies and goals. This talk will be a, an emerging case for other types of green building benefits, from increased health and productivity of occupants to reduced risks for lenders, investors and insurers. Yet there has been no single source to bring together these different pieces of the puzzle. To address these needs, the World Green Building Council set out to identify and bring together the key elements of the business case for green building and combine them into a single report. The Global Business Case for Green Building report speaks to all parts of the sector, including stakeholders in investment, finance and other key decision makers. This session will explain how this research can pave the way to increased green building activity in existing and new markets, talk about incentives, mandates and business imperatives in the Washington region that support green building and present case studies that illustrate that the business case is being made - not only around the globe, but also in your back yard.	reframe the business case for green buildings; understand the breadth of benefits of green buildings; describe incentives, mandates and business imperatives in the Washington region that support green building; apply green business case lessons learned to your own projects.	Bill Brennan, Co-Chief Operating Officer, Skanska USA Inc.	Bill Brennan is Co-Chief Operating Officer for Skanska USA Building Inc. He brings over 40 years of experience and expertise from preconstruction through construction in markets including healthcare, pharmaceutical, commercial and federal work. Bill oversees the corporate operations of four offices and over 1,000 employees. He is a member of the Skanska USA Leadership Team and chairs the Skanska USA Buildings Senior Leadership Team and Commercial Development Board of Directors. Under Bill's leadership, Skanska's Rockville offices achieved LEED O Gold Certification. Bill earned his MBA from Pace University and his Bachelors of Science in Civil Engineering from Pennsylvania State University.	Elizabeth Heider AIA LEED AP BD+C, Senior Vice President, Skanska USA Inc.	Beth Heider is Senior Vice President of Green Markets for Skanska supporting the development, design and construction of high performance green LEED projects throughout their lifecycle. Her 34-year career encompasses all phases of design and construction from master planning through project completion. She has been involved in the design and construction of over 50 LEED projects, presented papers on cost, value, eco-efficient building, and program management across 100 international conferences. Heider served as 2012 Chair of USGBC's Board of Directors. She is an alumna of The University of Virginia and its Graduate Program in Venice, Italy.			1.5	No	N/A	
09/26/2013sa64	High Performance Buildings: Towards Zero Energy	60	*Project systems and Energy impacts*	It is the declared goal of the US government to have net-zero energy buildings ready for the market by 2030. The current practice is far away from this goal. Professional associations and other entities started initiatives to advance the design, delivery and operation of buildings to support this goal and improve the overall building performance. This presentation shows examples of projects that are designed as high performance buildings and integrated with the local power grid and local energy bank branch, a Living Building Challenge project, as well as a school building that has been in operation for almost 10 years. The presentation highlights the technology, but even more, the integrated approach that has been successfully employed in projects in the US and abroad.	Identify the characteristics of high performance and net-zero energy buildings; identify appropriate building technologies for achieving high energy efficiency; describe the integrated delivery process that is necessary for achieving high energy efficiency; plan a comprehensive commissioning process to achieve and sustain high performance in buildings.	Oliver Baumann, President, Ebert & Baumann Consulting Engineers, Inc.	Oliver Baumann has extensive experience in design, commissioning, and measurement and verification for high-performance buildings. After joining the Kiß Group in 1996, Oliver established the Building Simulation Group, served as the Project Manager for integrated building design and low-energy projects, and later managed large international projects as Head of the International Projects Group. In 2006, Oliver founded Ebert & Baumann Consulting Engineers in Washington, D.C. He recently expanded the company to include offices in Frankfurt, Denver, and Chicago. Oliver is the author of more than 25 publications and over 60 presentations on design, commissioning, and operation of energy-efficient buildings.				1	No	N/A	
09/26/2013sa21	Understanding and Implementing DC's New Green Code and IECC 2012 in Residential Buildings	90	Other/Multiple	The District of Columbia became a national leader in green building with the passage of the 2006 Green Building Act, and now with the recent adoption of the International Green Construction Code and the 2012 International Energy Conservation Code the District is poised to become a leader in the 21st Century. This talk will explore the Sustainability Coordinator within the District Department of Consumer and Regulatory Affairs (DCRA) and Andrea Foss, the founder of Everyday Green, a third-party energy rating firm located in the District, as they review the new code requirements, how they overlap with existing green building laws and regulations, and how you can implement the new code requirements in your projects. The new code will be enforced by DCRA, and how inspections and testing are performed. Youâ€™ll learn practical strategies to meeting the new code requirements such as designing continuous air barriers, simplifying geometry and bringing HVAC equipment into conditioned space. The session will have a specific focus on residential buildings including single-family, low-rise multifamily and high-rise multifamily.	understand the basic requirements of the IECC 2012 code and International Green Construction Code as amended by the DC Construction Codes Coordinating Body (CCCB); define the role of the Sustainability Coordinator within the District; describe how the Green Building Act, IECC, and IGCC requirements work together and how they will be enforced by DCRA and 3rd party inspectors; identify the explanation of diagnostic performance tests and best practices for how to plan, incorporate code requirements into plans and specifications.	David Epley, Green Building and Sustainability Coordinator, Permitting & Inspections, Dept. of Consumer & Regulatory Affairs (DCRA)	David Epley manages the Green Building Division at the District of Columbia Department of Consumer and Regulatory Affairs (DCRA). The Green Building Division is responsible for the implementation, outreach and education around the District's green code, energy code, and Green Building Act. Prior to DCRA, David held positions in the private sector and in Montgomery County, Maryland, focusing on green building certification, verification, and energy benchmarking programs, and as a home energy rater in Knoxville, Tennessee. David holds degrees in Sustainable Design from Carnegie Mellon University, and Environmental Studies from the University of Tennessee.	Andrea Foss, Managing Partner, Everyday Green	Andrea Foss is the founder and Managing Partner of Everyday Green, a building science firm dedicated to helping clients deliver better performing buildings. Everyday Green provides strategies for energy efficient buildings with reduced water use, better indoor air quality and improved comfort. Andrea and her team at Everyday Green provide energy rating services, consulting services, training, quality assurance and performance testing to ensure proper installation and operation of building systems. Everyday Green works across the residential spectrum on low-rise and midrise multifamily buildings, gut rehab, production and custom homes throughout the Mid-Atlantic region.			1.5	No	N/A	
09/26/2013sa03	How Can THAT Building Be Sustainable?	60	Other/Multiple	A perception that sustainable architecture is an aesthetic style has often resulted in highly sustainable buildings that lack important characteristics of successful architecture. This session will show how to "do it right" and create a building with good proportion and scalable elements. This session will expand the participant's understanding of available sustainable design choices to incorporate a broader palette of architectural tools and strategies. The presenter will discuss built works that might appear to be traditional solutions, but are in fact exceptionally innovative and highly sustainable buildings relative to their exterior and interior material choices, the manipulation of their massing, their responsiveness to the neighborhood context, their reception by the community, and even their water conservation techniques.	Apply specific techniques for implementing sustainability in the design of buildings with more traditional massing and exterior materials; understand the sustainable design that is designed in divergent architectural styles; provide insight into how the collaboration between architect, engineers, clients and public officials can create highly successful sustainable projects; investigate from several case studies how designing a cutting edge sustainable project can be realized in buildings rooted in a culture of tradition and ceremony.	Gregory Hess, Principal, David M. Schwarz Architects	Gregory M. Hess is a Principal of David M. Schwarz Architects, Inc. and has been with the firm since 1997. He is a graduate of The Catholic University of America where he was serves on the School of Architecture's Advisory Board and teaches design studios. Recent projects include the Cathedral of Christ the Light, a Chapman Cultural Center in Spartanburg, South Carolina, American Airlines' Center in Dallas, Texas, Dr. Pepper Ballpark in Frisco, Texas and The Smith Center for the Performing Arts in Las Vegas, Nevada. The Smith Center is the first major civic performance hall in the US to earn LEED certification.				1	No	N/A	
09/26/2013sa28	Integrating Green Building Analysis into BIM	90	Other/Multiple	As more architecture firms adopt BIM as part of their project work flow, the ability to perform sophisticated analyses of a building's performance increases dramatically. This presentation will focus on how new software systems allow designers to quickly analyze energy requirements for their BIM models, to levels that previously required energy consultants and engineers. When designers can perform such analyses in-house, they can make better, more informed design decisions, make those decisions and changes early on - where it has the most impact and lowest cost. We'll also address how this integrated Building Energy Model (BEM) data can be communicated to external consultants who are using other energy software. We will cover the principles of Passive House design, and the software tools used in this process. One problem that is often overlooked in sustainability analysis is energy loss due to thermal bridging, and we'll cover simulation software that allow us to identify thermal bridging issues in design details.	Understand how they can generate integrated building Energy Models (BEMs) from their BIM models, during the early stages of design, where it can have the most impact; understand Passive House design principles, and how software tools are used during this design process; understand how BIM data can be used by simulation software can be used to identify and reduce thermal bridging problems in design details; identify how they can work with external energy consultants for advanced energy simulation.	Peter Henry, Architect, Peter Henry Architecture	Peter Henry of Peter Henry Architecture is the designer of the third Passive House in the DC Metro region. This home's energy usage is one tenth that of a standard building for heating and cooling, and reached an air tightness of .65ACH50 with a total building leakage of 2cuin. He has been using Building Information Modeling since starting his training in architecture in the 1980s and has used Archicad since 1987. He graduated from the University of Oregon in 1984 with emphasis on energy efficiency and environmental impact. He has practiced Architecture in Colorado, Maryland and Virginia.				1.5	No	N/A	

Provider:	American Institute of Architects Washington DC Chapter												GBCI CE HOUR APPROVALS			
Conference:	Design/DC 2013															
0915201Saw02	Bird-Safe Buildings: Latest Developments in Reducing Bird-Glass Collisions	60	Other/Multiple	Collisions with glass in buildings kill as many as 1 billion migratory birds in the US every year, or about 5% of the fall migratory bird population. These numbers are growing as we build increasing numbers of glass buildings. However, awareness of the problem is growing, and there are a number of promising developments of interest to architects who want to reduce birdglass collisions: a San Francisco law requiring bird-safe design; a LEED pilot credit for bird-safe design; and a Toronto lawsuit. This seminar will outline the reasons for these fatal collisions, will offer some principles of bird-safe design, and will discuss the significance of the recent laws and lawsuits.	recognize hazards for birds in the built environment by assessing project location and design, use of glass, lighting, and surrounding landscape; design projects that reduce the risk of bird collisions with glass; understand the developments of interest to architects who want to reduce birdglass collisions: a San Francisco law requiring bird-safe design; a LEED pilot credit for bird-safe design; and a Toronto lawsuit. This seminar will outline the reasons for these fatal collisions, will offer some principles of bird-safe design, and will discuss the	Anne Lewis, FAIA, President, City Wildlife, Inc.	As an architect and a founder of City Wildlife, Inc., Anne Lewis has focused on the effects of man's built environment on wildlife. In 2006, City Wildlife carried the Lights Out DC project, which aims to protect migratory birds from fatal birdglass collisions by working with DC building owners to reduce their nighttime lighting. Ms. Lewis's current projects include: The project has been partially funded by the DC Department of Environmental Health and Wildlife Services. Anne has also presented seminars on biodiversity green roofs as habitat and on wildlife/human conflict resolution in urban areas.					1	No	N/A	
0915201Saw03	Storm Water Management: Affordability through Innovation and Collaboration	90	Water Management	The District of Columbia Sustainable DC Plan lists the primary water goals by 2032 as: - Making 100% of District wastewaqe flowable and swimmable by 2032 - Using 75% of the landscape to capture rainwater for filtration or reuse. - Decreasing total nitrogen by 40% - Decreasing impervious surfaces by 2032 by 10% - These requirements has been designed and executed as an example of how low impact stormwater design can help the District reach these goals. The design exceeds the new, very stringent proposed DC Stormwater requirements and care was taken to employ strategies that are affordable and can be replicated on a variety of projects. This Case Study presentation will discuss the development of the design, the strategies for comprehensive stormwater management, discuss implementation and long term management of these systems and suggest ways that these strategies can be replicated on other development projects through the city.	understand and review concepts and strategies for holistic planning, collaboration and project execution; identify critical moments in the project development schedule where collaboration and decision making will save the project from with greater success; learn how bioretention ponds and comprehensive landscape design can improve functionality including particulate filtering, quantity control and groundwater recharge, and and lower maintenance costs; learn how the Kingman Island is an example of a holistic net zero stormwater management approach which reduces long term maintenance costs and eliminates run-off.	Sharon Bradley, RLA, Landscape Architect, Principal, Bradley Site Design	Sharon Bradley is President and founding Principal of Bradley Site Design, a landscape architecture and land planning firm committed to sustainable site design and community revitalization. She has thirty years of experience in the field, with a deep background in urban design and placemaking, and extensive knowledge of the DC planning and development process. Sharon's current projects include the design of a new model for community design. Before establishing BSD, Sharon worked with Oehme van Sweden & Associates, and Keyes Condon Florance Architects. She recently became the first landscape architect to receive the DC Mayor's Environmental Excellence Award.	J. Chris Earley, LEED AP, Principal, Greening Urban LLC	Chris Earley combines years of engineering design experience with a commitment to sustainable development through project management, outreach, and a focus on sustainable infrastructure. Before founding Greening Urban, Chris spearheaded the sustainable urban development initiative at a civil engineering firm in the Washington metropolitan area. Chris has managed dozens of low-impact civil engineering projects on Maryland's Eastern Shore, maximizing the use of low-impact development techniques. Chris frequently presents on green civil engineering and site design to architects, engineers and developers. He consults on green infrastructure and low-impact development stormwater management. Chris chaired the USGBC LEED® for Neighborhood Development northeast regionalization taskforce.	Reshma Hella, Project Manager, Telesis Corporation	Reshma Hella is a project manager at Telesis Corporation. At Telesis she manages the development and preservation of urban communities that are sustainable and equitable for the long term. Her primary focus has been transforming neglected and decreased multifamily properties into safe, green, desirable housing. She has managed projects in the District of Columbia totaling over $100 million in value, using a wide variety of creatively assembled public and private financing sources. Ms. Hella previously worked at the real estate advisory services firm RCLCO. She is a graduate of the University of Pennsylvania and an active member of Young Leaders in Affordable Housing.	1.5	No	N/A	
0916201Saw07	The Social Responsibility of Dynamic Lighting	60	Other/Multiple	Before the 1940s, dynamic exterior lighting was generally limited to specific entertainment venues and special event applications. Because of recent light emission technology, specifically LED, general lighting systems are becoming inherently dynamic. The latest codes for sustainable systems call for levels of sensing and control in parking and site design equal to that of a small theater. The main question on which designers need to focus is how to use these readily available or required functions and abilities for the good of the project, the surrounding communities, and society as a whole.	evaluate the appropriateness of dynamic exterior lighting for specific applications; understand the current codes and recognize trends in building codes for exterior lighting; understand the requirements of the LEED Pilot Credit for Light Pollution Reduction; develop a responsible strategy for implementing dynamic exterior lighting.	Corfield King, LC, Designer, Gilmore Lighting Design	After receiving Bachelors and Master Degrees in architecture, Mr. King worked for nine years in architectural lighting design. He then spent three years in manufacturing and international sales, before founding and developing custom light fixtures for an internationally recognized materials manufacturer, which led him to Gilmore Lighting Design where, for the past three years, he has designed and completed numerous dynamically controlled lighting projects, the majority of these being exterior projects in the public realm. Mr. King is NCQLP Lighting Certified, and received IES section awards in both 2012 and 2013 for completed projects.					1	No	N/A	
0926201Saw06	Rehabilitation of the Northwest Neighborhood Library: LEED, CBE, Bb, VRF and Other Words You Didn't Learn as a Kid	90	Other/Multiple	The design-build project is one of the first historic rehabilitation projects subject to the local Historic Preservation Section 6b process. The presentation will discuss measurement and verification targeting 30% optimized energy performance, 30% CBE utilization and 40% water use reduction for the LEED Silver rehabilitation project. The new the design-build team incorporated modern lighting, VRF HVAC systems and innovative structural approaches to preserve significant interior and exterior spaces. See the modern glass and brick addition, the restored original entrance, preserved original 1960s lobby, the Gleason, removed concrete columns, preserved woodwork and ornamental plaster of the 1860s historic building. See how all direct GHG emissions (stationary combustion sources) were eliminated. The design-build project is one of the first historic rehabilitation projects subject to the local Historic Preservation Section 6b process. This tour of on-going construction requires each participant to wear appropriate clothing and sign as waiver.	recognize the synergy between design decisions, LEED and preservation in a multiple discipline integrated approach; recognize the benefits of modified design-build approach and some of the challenges meeting CBE utilization requirement; understand the balance between incorporating modern systems and preserving historic spaces; measure and achieve optimized energy performance and water use reduction in historic building for reduced life-cycle cost.	Scott Beglinger, Mechanical Engineer, BC Engineering Inc	A Project Manager and Design Engineer with BC Engineering Services, a Wisconsin and DC-based engineering firm, Mr. Beglinger is a passionate advocate of the environment and sustainable building practices. He has been involved in a number of facilities that incorporate renewable energy features, often within an historic context. He recently completed the adaptive reuse of a former powerhouse for Sears, Roebuck and Company into the Charles H. Shaw Technology and Learning Center in Chicago. In addition to being certified LEED-P Platinum, this project earned the design team a 2012 Honor Award from The National Trust for Historic Preservation.	David Brell, AIA, LEEDap BD+C, Principal, BELL Architects, PC	Hallene E. Easter, Senior Project Manager, The Whiting-Turner Contracting Co.	Hallene E. Easter, Senior Project Manager, The Whiting-Turner Contracting Co. Hallene E. Easter is a senior project manager and manages an operating group out of Whiting-Turner's Washington D.C. regional office. He has 33 years of construction experience, all with Whiting-Turner. Mr. Easter's experience includes a wide variety of projects including historical renovation work, museums, private schools, colleges/universities, and office buildings. Notable recent projects include The Hill Center at Old Naval Hospital, multiple renovation projects at Dumbarton Oaks, infrastructure upgrades and renovations at the Corcoran Club, Maryland Institute College of Art, Dominican-reuse, and Georgetown Prep. Historical renovation/preservation projects are of particular interest to Mr. Easter.	1.5	No	N/A	
0927201Saw7	TOUR: Rehabilitation of the Northwest Neighborhood Library	120	Other/Multiple	[This construction tour is coupled with a presentation.] The tour will show some of the design-build team's innovations. The presentation will discuss the 30% optimized energy performance, 30% CBE utilization and 40% water use reduction for the LEED Silver rehabilitation project. See how the design-build team incorporated modern lighting, VRF HVAC systems and innovative structural approaches to preserve significant interior and exterior spaces. See the modern glass and brick addition, the restored original entrance, preserved original 1960s lobby, the Gleason, removed concrete columns, preserved woodwork and ornamental plaster of the 1860s historic building. See how all direct GHG emissions (stationary combustion sources) were eliminated. The design-build project is one of the first historic rehabilitation projects subject to the local Historic Preservation Section 6b process. This tour of on-going construction requires each participant to wear appropriate clothing and sign as waiver.	recognize the synergy between design decisions, LEED and preservation in a multiple discipline integrated approach; recognize the benefits of modified design-build approach; recognize the benefits of modified design-build approach and the challenges meeting CBE utilization requirement; identify the balance between incorporating modern systems and preserving historic spaces; measure and achieve optimized energy performance and water use reduction in historic building for reduced life-cycle cost.	David Brell, AIA, LEEDap BD+C, Principal, BELL Architects	M. Brell is an award-winning, LEED-accredited architect with passion and expertise integrating history, culture and sustainable design into the built environment. His skills and interests are focused on combining innovative and traditional practice to achieve superior results with respect to conserving energy, environmental, financial and cultural resources. He is founding co-chair of AAIDC High Performance Building Committee and has served on numerous Boards and cultural organizations. He has designed numerous rehabilitation projects in DC that exceed requirements for historic preservation and sustainable design, including the award-winning Hill Center at the Old Naval Hospital.	Brad Roeder, Project Architect, BELL Architects, PC	Mr. Roeder, with over fifteen years of architectural experience, holds a Master of Science degree in Historic Preservation. Recently he served as the Project Manager for the National Trust for Historic Preservation Trust for Historic Preservation. He was the Preservation Specialist for the Walter Reed Army Medical Center master plan and project architect for the LEED-Silver rehabilitation of Building 2 at the Washington Navy Yard, and the exterior rehabilitation of the US Marine Commandant's House. Mr. Roeder meets the Secretary of Interior's Professional Qualifications Standards for historic architecture and has direct, relevant technical expertise with the NHPA Section 106 Process.					2	No	N/A	
0927201Saw04	TOUR: DC's First LEED Platinum Public School: Dunbar High School	120	Other/Multiple	Located just a few blocks from the US Capitol, the new Dunbar High School campus is striking to raise the bar for sustainable, high performance school design. Located on a compact, urban site, the school has been designed to target LEED for Schools Platinum certification. This has resulted in a design that celebrates the long history of the school and the site, reconnects the community by reopening a closed street and creates a new pedestrian plaza and greenspace, and provides a healthier and more comfortable place to learn and fosters a commitment to environmental stewardship among students and staff. The attributes of the building that support these goals are a radiant heating system in the floor of the Armory, a grand public space that is the "heart" of the school, the District's largest ground source heat pump (aka geothermal) system; a 450 kW photovoltaic array; two 20,000-gallon cisterns for collecting and reusing rainwater, enhanced acoustics, low VOC materials, plentiful daylight and views throughout and a mobile, "low-impact" urban streetscape.	commence how integrated architectural, engineering and urban design resulted in a building that not only enhances education but strengthens community; consider the multiple and varied approaches available to create high performance learning environments; explore how the building has been organized to make community use without compromising safety and security; look beyond the boundaries of the site to create a campus that becomes "civic architecture."	Sean O'Donnell, AIA, LEED AP, Principal, Perkins Eastman	Sean O'Donnell has over 30 years' experience focused on the design of great learning environments. On projects ranging from the development of a program, the evaluation of an existing building, to the design of new campuses, he has worked to ensure that the learning environment is fully supportive of all of the users' physical, intellectual, socialemotional, organizational and technological needs. This work is a logical outgrowth of his research into the ability of environments to accommodate diverse and changing user needs over time - research that is published in an award-winning monograph.	Matt Bell, AIA, Principal, Perkins Eastman	Matthew Bell has been a practicing architect and professor of architecture for over 30 years. His national and international architectural and urban design experience ranges from small-scale buildings and studies for existing neighborhoods to the design and implementation of new towns, campuses and cities. Creating a diverse portfolio of work has led Matt to develop unique insights into the urban-environment and design-issue-challenges facing our cities, towns, and suburbs.	Abbie Cronin, BA, LEED AP, Associate, Perkins Eastman	Ms. Cronin's educational experience includes a wide-range of facilities including modernizations, additions, replacement to K-12 facilities, as well at high schools. She currently serves as the project manager for the Dunbar Senior High School replacement in the District of Columbia. The school, which is over 260,000 gsf, will be registered for LEED Platinum. She is adept at handling many tasks and virtues for excellence on all her projects. Her background includes the LEED Gold Stoddert Elementary School, Yorktown High School, and School Without Walls.	2	No	N/A	
0927201Saw02	TOUR: DC's First Green Ribbon Public School: Stoddert Elementary School & Community Center	120	Other/Multiple	Honored by the US Department of Education as one of the first Green Ribbon Schools in the country, Stoddert Elementary has wholeheartedly embraced sustainable design and the architecture of their renewed LEED for Schools Gold campus, which includes DC's first fully geothermal- system, zero-price natural light throughout the school, and a mobile, "low-impact" urban streetscape. See how the synergy of architecture, landscape, engineering and education, the school has created a new prototypical curriculum for the school as a teaching tool, and has empowered students to use the campus to teach others about stewardship as they learn. Through careful zoning and a joint use agreement with the Department of Parks and Recreation, the campus has truly become the center of the community.	recognize how integrated architectural, engineering and urban design resulted in a building that not only enhances education but strengthens community; consider the multiple and varied approaches available to create high performance learning environments; explore how the building has been organized to make community use without compromising safety and security; look beyond the boundaries of the site to create a campus that becomes "civic architecture."	Abbie Cronin, Associate, Perkins Eastman	Ms. Cronin's educational experience includes a wide-range of facilities including modernizations, additions, replacement to K-12 facilities, as well at high schools. She currently serves as the project manager for the Dunbar Senior High School replacement in the District of Columbia. The school, which is over 260,000 gsf, will be registered for LEED Platinum. She is adept at handling many tasks and virtues for excellence on all her projects. Her background includes the LEED Gold Stoddert Elementary School, Yorktown High School, and School Without Walls.	Sean O'Donnell, AIA, LEED AP, Principal, Perkins Eastman	Sean O'Donnell has over 20 years' experience focused on the design of great learning environments. On projects ranging from the development of a program, the evaluation of an existing building, to the design of new campuses, he has worked to ensure that the learning environment is fully supportive of all of the users' physical, intellectual, socialemotional, organizational and technological needs. This work is a logical outgrowth of his research into the ability of environments to accommodate diverse and changing user needs over time - research that is published in an award-winning monograph.	Mary Rankin, Senior Associate, Perkins Eastman	Mary Rankin, Senior Associate, Perkins Eastman For over 16 years, Ms. Rankin has been involved in the design of award-winning projects across the country. Her creative design and problem-solving abilities have assisted in creating compelling designs for a variety of project types including part of the LEED ND Pilot program, educational facilities, including the Yorktown High School Replacement in Arlington, VA and the Stoddert Campus, in Washington, DC and mixed-use and cultural facilities.	2	No	N/A	
0928201Saw08	Living in the Lighting Lab: Testing Innovative Lighting Control Systems in the Workplace	90	Other/Multiple	Can we design spaces that minimize energy consumption while maintaining a healthy and comfortable workplace for users? In 2012 a team of six colleagues from Perkins+Will, Lutron, and Philips Lighting completed a LEED-CI Platinum office space to fine-tune strategies beyond basic LEED requirements. By examining task tuning, load shedding, and daylight harvesting variables, the team was able to propose and implement a lighting energy reduction strategy that did not adversely effect occupant productivity or comfort. The team tested over twelve months of data (including daylight harvesting data that accounted for seasonal variations). The findings of this study will help designers and owners best understand the link between lighting and the open workplace. The result of the "living lab" testing is a detailed energy strategy for the office that aims for efficiency above what was designed into the LEED-CI Platinum space.	describe addressable lighting control systems and the technologies of Task Tuning, Variable Load Shedding, and Daylight Harvesting; explain how the lighting affects the environment of lighting and human perception; explain how various lighting strategies can be combined to create a unique solution for a work environment; analyze how seasonal variations in daylight may or may not impact indoor lighting strategies.	Jon Prendorf, AIA, LEED AP BD+C, Project Manager/Sustainability Leader, Perkins+Will	Jon Prendorf is a Project Manager and the Sustainability Leader for the Washington, DC office of Perkins+Will. His projects range from interior renovations to campus-wide energy management plans. He co-chaired the Sustainability Committee for the Washington Chapter of the American Institute of Architects and developed strategies in all projects. With over twelve years of experience, he has been working toward a more sustainable built environment for his entire career. Jon was the 2012 President of the Board of Directors of the AIA	DC, and is now Vice Chair of the AIA Young Architects Forum. Jon received his Architecture degrees from the Catholic University of America.	Haley Russell, LEED AP BD+C, Project Designer, Perkins+Will	Haley Russell is a Project Designer in the Interior Design Studio of the Washington, DC office of Perkins+Will. With over five years of experience including corporate and government projects, Haley has been a leader in the firm's sustainability committee for three years. She has developed strategies at varying levels of LEED Certification, won multiple awards, and have been published in Contract magazine. Haley is dedicated to the corporate Social Responsibility and Sustainable Design Initiatives, promoting pro bono design work to address basic human needs and the development of tools to encourage an informed view of material health in product specification.	David Cordell, LEED AP BD+C, Senior Associate, Perkins+Will	David Cordell is a Technical Coordinator and Sustainability Leader of the Interior Design Studio in the Washington, DC office of Perkins+Will. His experience includes corporate, non-profit, healthcare and educational projects. He has been a LEED AP since 2009 and has been a Sustainability Committee member he has worked on numerous LEED projects, several of which garnered Platinum Certification. In addition to his sustainability efforts, David has served as a Project Designer and Technical Coordinator for Perkins+Will for over nine years. His projects have received multiple awards and have been published in Contract magazine American Builders Quarterly, and Building Design + Construction.	1.5	No	N/A	