

Tuesday, December 8, 2009

Track Key:	1	BIM and Information Technology	4	Practice & Business Management
	2	Building Performance & Energy Efficiency	5	Sustainable Sites & Infrastructure
	3	Green Building, LEED, and Sustainable Design		

Updated 08-25-2009

Time	Title	#	Description	TRACKS				
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9:00a - Noon	The bSa BIM Primer: Overview, Interoperability and Collaboration	W100 bSa	For firms new to BIM or to understand the big picture from the buildingSMART alliance and buildingSMART International, this session will provide the basics of BIM and take a look at some of the amazing things that are taking place in the industry today as well as what's in store for the future. It will also help set the stage necessary to better understand the rest of the BIM conference program.	*			*	
9:00a - Noon	BIM Implementation Concepts for Design Firms	W101 bSa	Once firms have made the decision to Implement BIM in design, what are the next steps? This workshop will examine how the design practice will need to change to take advantage of using a building information model. A noted practitioner who has optimized the change will share what they learned in the transformation of their office as well as discuss how others have adjusted.	*			*	
9:00a - Noon	Higher Education Transformation	W102 bSa	Higher education is implementing sweeping changes in the way curriculum is being put together to provide better candidates for companies doing business in a collaborative and interoperable work environment. This session will help employers find out what they can expect from the new students emerging from college. It will also provide other schools with an update on how they can work more closely with their physical plant offices implementing BIM to upgrade their own programs.	*				
9:00a - Noon	BIM for Contractors	W103 bSa	From the start, building information modeling (BIM) has primarily favored architects. However, there are BIM platforms with graphical modeling capabilities that can look deeply into a project's timeline and determine real costs, materials and construction options. This session will offer insight into BIM from the contractor's perspective and the factors driving industry interest in this technology. A panel of experts will discuss the current status and future direction; value-added services contractors can offer through BIM and for which owners are willing to pay; and the implications of the Government Service Administration's adoption of BIM on all publicly funded projects.	*			*	
9:00a - Noon	Green Specs/LEED Specs	W104 HPB NSC	Learn how CSI's MasterFormat and GreenFormat work in harmony to meet reporting requirements of LEED® and GreenGlobe™ rating systems or other high performance building requirements. Discuss division 01 instructions to the building team as well as where in the specifications you should thread these added areas of information. This workshop covers: CSI's GreenFormat sustainable product attribute reporting, Climate Neutral reporting based on a recent LEED® MR TAG ruling, critical references such as labeling and EPP programs, OmniClass as the link to the BIM model and project specifications/documentation and proposed revisions to UniFormat that will close the loop with new structure for elemental tables on systems and assemblies.	*	*	*		

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9:00a - Noon	Energy Master Planning (EMP) for New and Existing Facilities	W105 HPB NSC	The workshop will show how to develop a step-by-step Energy Master Plan to move a facility toward genuine Climate Neutrality. The workshop will show how to embrace a Facility Master Plan and Transport Master Plan into an EMP to form a comprehensive Climate Neutral Master Plan for new and existing buildings and facilities. Goals and objectives will be laid out and strategies detailed for achieving climate neutral facilities. Strategies will include minimizing maintenance and maximizing occupant comfort and performance so life cycle success is assured and every advantage is used for minimizing operating costs and maximizing income and revenues. Specialist high-energy areas such as labs, clean rooms and operating suites will be discussed.		*	*		
9:00a - Noon	All About LEED: Updates and Options	W106 HPB	This comprehensive presentation will examine the requirements for LEED certification. It will show participants how they can achieve certification, how it will benefit their business, and how they can market these benefits to the consumer and clients. It will explore the history and science behind LEED certification; requirements to achieve it; effective ways to meet certification; and the various LEED program options. Discussion will also include the 2009 enhancements and updates.			*	*	*
9:00a - Noon	Smart Streets for Smart Growth: Rethinking Green Infrastructure in Cities and Towns	W107 HPB	Recent research and technology developments have revolutionized our understanding of ways we can improve our urban environments. This presentation will focus on opportunities for rethinking the programmatic, functional and dimensional requirements necessary to support streetscapes as living systems. Through the use of scientific findings and case studies, this session will focus on specific planning strategies that architects, planners and municipal officials can use to increase ecological health and services within our built environment.			*	*	*
1:30p - 4:30	BIM: A Strategic Implementation Guide	W200 bSa & HPB	The authors of the strategic guide to building information modeling (BIM), will discuss how to implement this new technology as part of a comprehensive systems approach to the design, construction, management, operation, maintenance, and use of buildings. They will show how BIM supports more streamlined, integrated, and efficient business processes throughout the life cycle of buildings, from initial conception through their eventual retirement or reuse, resulting in better quality buildings, lower construction and operating costs, shorter project turnaround times, and a higher quality of building information to support better business decisions. Moreover, they will set forth a plan for incorporating BIM into every organization's existing workflows, enabling firms to take full advantage of all the benefits BIM offers.	*	*		*	
1:30p - 4:30	Implementing BIM in Construction and Design-Build	W201 bSa	This session will discuss the progress made in construction firms implementing BIM and examine design-build implications, collaboration and collective action to relieve the aches and achieve the potential gains of the paradigm shift to BIM-enabled design and construction. Focus will center of the efforts being made by the Associated General Contractors of America's (AGC) task force on Building Information Modeling (BIM).	*			*	*

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1:30p – 4:30	National BIM Standard: Progress and Future Trends	W202 bSa & NSC	This session will provide an update on the National BIM standards efforts and give a broad overview of the various parts of the standard and how it will work to help define the benefits of a standardized approach to BIM to the entire Capital Facility industry. It will examine how information will flow from one phase to another. It will also look at some of the case studies where new business models have already been applied.	*			*	
1:30p – 4:30	BIM Best Practices: Winning Solutions from the Leaders	W203 bSa	This session will present leading implementers of BIM in the industry providing case studies of their successes with BIM. Learn directly from architects, engineers, and constructors how they are using BIM to facilitate team collaboration, improve team coordination, reduce project cycle time and cost, and deliver better projects. Each will present their own work as a case study that describes BIM implementation strategies and shares lessons learned.	*			*	*
1:30p – 4:30	BIM Specs and Property Sets	W204 NSC	This workshop will cover information management and specifying for BIM, integrated practice and lean construction processes. Included will be discussion of the Specifiers Properties Information Exchange (SPIE) and its data requirements.	*			*	
1:30p – 4:30	Solar & Wind Power for Buildings	W205 HPB	This highly visual presentation explores the design and integration of solar electricity (photo-voltaics or PV), solar thermal and wind energy systems in residential, commercial and institutional buildings. The best of built examples from Europe, Japan and the US along with case studies of solar thermal and wind energy applications will be featured.		*		*	
1:30p – 4:30	Commissioning Existing HVAC Systems for LEED® and Energy Savings	W206 HPB	The first requirements of Existing Building Commissioning formed the foundation for the USDOE energy programs of the 1970s. Since then EBCx has expanded to provide the best indoor environmental quality, system reliability and equipment longevity possible, while consistently cutting energy costs. This presentation builds on the work of ASHRAE GPC 1.2P—“The Commissioning Process for Existing HVAC&R Systems” and shows the future of the first ever EBCx standard, released in 2009.		*		*	
1:30p – 4:30	Deciphering “Green” Certifications and Programs	W207 NSC	With the marketplace now flooded with sustainability or “green” certifications and programs all aimed at getting a firm’s attention and trust, detailed knowledge and understanding is an absolute. This presentation will provide effective guidelines and options for choosing ratings programs that meet an AEC firm’s needs and help overcome the confusion over standards, certification and eco-labels including how the various programs can work together.				*	*

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8:30a – 9:30	BIM 2010: The Impact of the GSA Project	S100 bSa	This session will feature the landmark project for the U.S. General Services Administration (GSA) BIM pilot program. The presentation will discuss solutions to collaborate and use of a sharable model so all project stakeholders can simultaneously visualize and analyze the design and detect clashes before construction.	*				*
8:30a – 9:30	BIM in Cost Engineering	S101 bSa	Building Information Modeling offers significant opportunity to create efficiencies in cost engineering and estimating of project costs from inception onward, thereby reducing waste and lifecycle costs and improving sustainability of the facility. This session will discuss progress to date with the overall cost engineering picture as well as describing the model view for estimating.	*			*	
8:30a – 9:30	The National CAD Standard (NCS) and BIM	S102 bSa & NSC	This session will describe the progress on the National CAD Standard effort and identify how NCS is transforming to support output from a BIM. The standard is an essential part of NIBS' cooperative effort with AIA, CSI, and the buildingSMART Alliance to ensure an open, interoperable information format and communication environment, including integration into the new National Building Information Model Standard (NBIMS) that will serve both the building community and the general public.	*			*	
8:30a – 9:30	Integrated Project Delivery, Architecture, and Building Connections	S103 bSa	Integrated Project Delivery (IPD) leverages early contributions of knowledge and expertise through the utilization of new technologies, allowing all team members to better realize their highest potentials while expanding the value they provide throughout the project lifecycle. This session will identify the various efforts being implemented by AIA	*			*	
8:30a – 9:30	Energy and Climate Smart Communities-- Site Design and Planning Strategies	S104 HPB	Neighborhood/site and community level factors are often critically important to the energy and environmental performance of individual buildings and the overall built environment. This session will examine and integrate the site design and planning issues that communities need to wrestle with in order to simultaneously 1) meet energy needs, 2) reduce greenhouse gas emissions, and 3) adapt to physical impacts of climate change. The session will discuss specific tools and strategies that planners, designers, and building professionals can use to address these goals and maximize the enduring value and last performance of the built environment.			*		*
8:30a – 9:30	Achieving Energy Efficiency in Building Performance	S105 HPB	This panel of experts will discuss major technologies and practices needed for reducing energy consumption in buildings, characterize current costs and performance, and roadmap the technology improvements needed as well as other barriers and strategic solutions to widespread market acceptance. It will look at the ramifications of recent DOE initiatives and other programs to advance energy performance of new and existing commercial buildings underway by industry associations, states, utilities, and the private sector.		*	*		

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8:30a – 9:30	Designing Sustainable Healthcare Facilities: A Logical Fit	S106 HPB & NSC	Recent events around the world have brought widespread attention to “green” ideas. As concerns about global warming and rising cancer rates swell, the global public has begun recognizing the impact of human activities on their own health and well-being. This presentation will make the connection between environmental and human health, and draw the inherent parallels between sustainability and a healing environment. Providing the best patient-centered care begins with an awareness of the environment we are treating patients in. Attendees will be presented with current scientific research and case studies that identify practices and products that impact patient wellness. Information on how to start making a difference today and incorporate sustainability in healthcare design and operations will be provided.		*	*		
8:30a – 9:30	Navigating the National Clearinghouse for Educational Facilities	S107 HPB & NSC	This session provides an explanation of the National Clearinghouse for Educational Facilities (NCEF) resources and services, accompanied by a demonstration of the NCEF website. Attendees will learn what NCEF is; what information is available on school facilities; and how to locate and retrieve school facilities design information on the NCEF website.		*	*		
10:00a – 11:00	BIMStorm: Reinventing the Building Industry in Real-Time	S200 bSa	BIMStorms are award-winning events that illustrate that collaboration can happen at a stunning pace using low carbon collaboration techniques. As an enhancement to the live demonstrations that will happen on the expo floor, topics in this session will cover: 1. Preparing for the new reality of having to do more with less and be green at the same time. 2. Emerging BIM technologies. 3. Virtual online collaboration and Charrette process. 4. Goal based scenario planning to simulate local, state and national incentive programs. 5. And discussion of inputs used in generating CO2 reduction, energy reduction, investment, and incentive dollars.	*			*	*
10:00a – 11:00	Collaboration and Costing Throughout the Project Lifecycle	S201 bSa	Hear from an experienced leader in the construction industry about the future of integrated project delivery. Learn how collaborative functionality for inter- and intra-company communication is the key to success in managing real-time information across the building design, construction, and occupancy phases. This session will look at how online collaboration breaks down silos to encourage more creative thinking; bring about innovative solutions to old problems; and find new ways to save money and reduce risks.	*			*	
10:00a – 11:00	BIM in Existing Buildings	S202 bSa & HPB	The convergence of society’s need for a sustainable environment, the need to eliminate waste in our design and construction processes, and BIM technologies are creating the “perfect storm” for change in our industry. Hear how the U.S. Coast Guard is using BIM to solve its building performance requirements in management of existing facilities.	*			*	
10:00a – 11:00	Sustaining BIM IFC’s Using Model Views	S203 bSa & NSC	This session will trace the development of a model view from inception to inclusion of new ISO standards. Highlighted will be the work that the pre-cast concrete industry is taking to define model views. It will also look at some issues that were uncovered and how they are being resolved.	*				

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10:00a – 11:00	Sustainable Partnerships: Builders and Communities Working Together for Green Infrastructure, Development and Design	S204	This session will focus primarily on public-private partnerships that have been formed in the past to implement sustainable green development. The emphasis will be on case studies to provide the audience with real world examples of projects that could not have gotten off the ground without the partnering of the public and private sector.			*		*
10:00a – 11:00	LCA in Rating Systems: Where are We and Where are We Going?	S205 HPB & NSC	Life Cycle Assessment (LCA) as an alternate way of selecting sustainable structural and envelope materials that has been included in Green Globes and is being piloted by the USGBC for LEED. Learn about LCA and the tool that will be used, the Athena EcoCalculator for assemblies.		*	*		
10:00a – 11:00	High Performance, Energy-Efficient Daylighting: The New York Times Building Case Study	S206 HPB	The award-winning new headquarters of The New York Times has implemented the most advanced and successful daylighting systems in the world. A key component to that success has been the automated shades and their control in managing daylight. The comprehensive shade-control system will be reviewed with software modules for solar tracking, sky conditions, sun glare, and shadow. Actual annual results of the system and the resulting saving of the lighting energy will be presented.		*	*		
10:00a – 11:00	Designing for School Safety and Security	S207 HPB & NSC	This session will provide a wide range of information on school facilities safety and security, including a review of state-of-the-art access control and mass notification technologies. Attendees will learn how to keep school buildings and their occupants safe and secure; obtain the latest information on school security technology; and how to choose the most appropriate security strategies.		*			
4:00p – 5:00	Highlights McGraw-Hill SmartMarket Report on the Business Value of BIM/IPD	S300 bSa	The Business Value of Building Information Modeling and Integrated Project Delivery, a McGraw-Hill Construction SmartMarket Report on BIM is a unique research study tracking Owners', Architects', Engineers' and Contractors' experience with BIM from multiple perspectives, including Adoption, ROI, Implementation, Impact on Processes, Contribution to Green.	*			*	
4:00p – 5:00	Lean Construction and BIM	S301 bSa	Lean construction is right in the middle of the BIM revolution and many concepts that have been promoted for years are finding their way into practice with BIM as the catalyst. The lean production revolution started in manufacturing and maximizes value delivered to the customer while minimizing waste. This session explores how principles drawn from lean production management can be applied through techniques tailored for application over the life of a project.	*			*	*

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4:00p – 5:00	Organizing Information Using Mind Mapping	S302 bSa	Mind mapping is a powerful, proven tool for managing your projects. Mind maps are very visually oriented, and enable users to gather, manage and share a large variety of information and resources quickly and easily -- making them an ideal tool for managing projects. Mind mapping is non-linear and can be used to capture and understand the free-form data that must be 'tamed' at the beginning of every project. With mind mapping many of today's most promising business processes become easier to manage and have more certainty of outcome giving firms the ability to quickly and effectively manage and synthesize the vast quantity of information that underpins and results from integrated project delivery processes, sustainable design, and BIM.	*		*	*	
4:00p – 5:00	BIM Guide for ASHRAE	S303 bSa & HPB	This session will present the ASHRAE BIM Guide, new guidelines available this year to help firms drive the adoption of BIM technology.	*	*			
4:00p – 5:00	Green Codes: Safe and Sustainable Commercial High Performance Buildings	S304 HPB & NSC	Buildings consume approximately 40% of the energy used and they produce about the same amount of the nation's carbon emissions. The International Code Council has launched its International Green Construction Code with the American Institute of Architects and ASTM as cooperating sponsors. This panel will discuss this new initiative to develop a model code focused on new and existing commercial buildings to reduce energy usage and their carbon footprint.		*	*		
4:00p – 5:00	The National Green Building Standard	S305 NSC	This session takes an in-depth look at the National Green Building Standard(tm). It is directed to those involved in Single Family, Multifamily, Remodeling or Site Development. Attendees learn how to build to whatever shade of green their project requires. The session will review all of the strategies and compliance paths in the Standard(tm) for each project type involved.			*		*
4:00p – 5:00	What's Your Score: Benchmarking Energy Use through ENERGY STAR	S306 HPB & NSC	Are you frustrated by rising energy costs? Is your building operating efficiently? This session will show how to use ENERGY STAR's Portfolio Manager to benchmark energy performance, prioritize energy initiatives, and work towards increasing your ENERGY STAR score. This session will help individuals who might not have a clear Understanding of their building's energy performance and/or would like to make more informed decisions when implementing energy efficient measures.		*	*		
4:00p – 5:00	Sustainable School Design: Case Studies and Best Practices	S307 HPB	Green design doesn't have to cost more. This presentation will describe scores of sustainable design strategies implemented in schools designed by Innovative Design that cost less to build than conventional, non-sustainable strategies. This session will show firms how to have lower implementation costs, produce greatest benefit-to-cost ratios, and effectively address social sustainability issues.		*	*		

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8:30a – 9:30	Disaster Resilience in Sustainable Design: New and Existing Building Lifecycle Performance as Sustainability	S400 bSa & HPB	Sustainable design often incorporates high performance architectural or mechanical systems. But what is a high performance building from a structural standpoint, and how does it fit within the context of sustainable design? What decisions can be made to protect an owner's capital investment in a building structure in a high-risk hazard area, such as an active seismic region? How is a disaster resilient building, and in turn a disaster resilient community, a sustainable community? This discussion will demonstrate the economic, sustainable, and operational advantages of high performance buildings in high-risk hazard areas for both new and existing buildings.	*	*	*		*
8:30a – 9:30	Design-Build Collaboration via BIM	S401 bSa	The presentation will provide a retrospective on the real benefits of utilizing BIM, using a real project completed in 2-D drawings, recreating it in BIM, and documenting the benefits and savings.	*			*	
8:30a – 9:30	Transitioning Object Orientation into Specifications	S402 bSa NSC	CSI has an important and expanding role in the development of Building Information Modeling (BIM). BIM requires new approaches for organizing and managing the information generated by the model and the many building team members that work with it. Where standards and practice guidelines have focused on document-centric processes, they now need to address model-centric practices. This session will explore a number of initiatives to support the changes in practice taking place in the industry: The OmniClass Construction Classification System; MasterFormat™ for work results, UniFormat for elements, SectionFormat and PPD Format for specifications and GreenFormat for structuring product sustainable performance attributes will be reviewed and their applications discussed.	*			*	
8:30a – 9:30	Adopting BIM for Facility Management in Corporate America	S403 bSa	This session looks at the issues related to FM and its adoption of BIM efforts. It will provide a view across the real property stakeholder supply chain and identify how on-going efforts are converging to transform this broad, multi-faceted industry in its use of technology. The session will describe approaches that have been used and provide several case studies. This session provide you with tools you can use to begin a successful transformation in your office. It will also describe what is yet to come in the industry.	*			*	
8:30a – 9:30	Experiences in Public Architecture and the Status of Sustainability	S404	This presentation will focus on public architecture and its current impact on the industry. It will also identify some of the unique challenges that a public architect experiences from the concept stages to occupancy to include pre-project planning, project delivery methods, and the impact on recent federal policies on sustainability. A case study or two will be presented .			*	*	*

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8:30a – 9:30	WBDG: A Web-based Resource for High-Performance Retrofits of Existing Buildings	S405 HPB & NSC	The Whole Building Design Guide is a web-based resource that provides single point access for designing high-performance buildings. WBDG contains many resources for the sustainable retrofit of existing buildings. New guidance on High Performance Federal Buildings, including revised Guiding Principles for new construction & new Guiding Principles for existing buildings will be presented. Topics covered will include site, building envelope, lighting, HVAC, energy and water conservation, solar/PV, windows and sun control, energy analysis tools, and sustainable historic preservation. Presentation will also include an overall look at WBDG content including the integrated design process, design objectives, project management, Facilities Operations & Maintenance, and Continuing Education.		*	*		
8:30a – 9:30	Using Timber Frame, Structural Insulating Panels (SIPS) and Insulated Concrete Forms (ICF) for Sustainable Construction	S406	Hybrid timber framing, SIPS and ICF building systems offer the next step in designing and building with efficient and sustainable/renewable resource standards today. This session will explain how to merge these materials with conventional common design and construction practices to produce an efficient structure while avoiding some of the common pitfalls. It confirms how sustainable and practical the system is and offers comparisons to traditional stick-built, steel and concrete/masonry options for both residential and commercial buildings.		*	*		
8:30a – 9:30	Zero Energy Buildings from Zero Energy Mechanical Systems	S407 HPB	This session will demonstrate how to develop zero energy mechanical systems for new and existing buildings. Strategies for zero energy, minimum ease of maintenance and maximum comfort will be integrated into systems for optimum life cycle performance.		*	*		
10:00a – 11:00	Project Execution Planning	S500 bSa	Many owners and project teams are currently struggling with defining the appropriate level of modeling to perform on a construction project based on the current state of practice and their future information needs. This presentation will describe Building Information Modeling (BIM) Project Execution Planning, which guides project team members through the development of a detailed plan in the early stages of a project. This guide, developed primarily for facility owners and early project participants, will focus on the decisions required to define the scope of BIM implementation on the project, identify process impacts of using BIM, define the team characteristics needed to achieve the modeling, and quantify the value proposition for the appropriate level of modeling at the various stages in the project lifecycle.	*			*	
10:00a – 11:00	The BIM Collaborative Process: A Case Study	S501 bSa	This presentation will demonstrate effective collaboration in a traditional CM/GC at-risk contract scenario using Virtual Design and Construction services beginning at the onset of design and through construction completion. Mortenson Construction leveraged the use of BIM and VDC practices to increase team collaboration, reduce rework, optimize project schedule and deliver a successful project to the owner. Based on research data from the University of Colorado graduate student, the session will show measured results and direct return of investment due to the integration of VDC during the project lifecycle.	*			*	*

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10:00a – 11:00	The Schools Energy Program and BIM Interoperability	S502 bSa & HPB & NSC	The Schools Interoperability Framework Association (SIFA) is a unique, non-profit collaboration composed of over 600 schools, districts, states, the U.S. Department of Education, international government agencies, software vendors and consultants who collectively define the rules and regulations for educational software data interoperability. The SIF Specification enables diverse applications to interact and share data efficiently, reliably, and securely regardless of the platform hosting those applications. Now they are looking to integrate energy usage into the process to become more energy efficient, to shift the savings to improving infrastructure and curriculum and to give teachers more time to do what they do best: teach.	*	*			
10:00a – 11:00	CIFE: Case Studies in Successful Virtual Design and Construction	S503 bSa	The Center for Integrated Facility Engineering (CIFE) mission is to be the world's premier academic research center for Virtual Design and Construction (VDC) of Architecture - Engineering - Construction (AEC) industry projects. VDC is the use of multi-disciplinary performance models of design-construction projects, including the product (i.e., facilities), work processes and organization of the design - construction - operation team in order to support business objectives. This session looks at strategies being used on a variety of projects to implement BIM into the process.	*			*	*
10:00a – 11:00	Local Leaders in Sustainability – An AIA Analysis of Green Building Policy in our Nation's Communities	S504	The AIA has undertaken a multi-year research project that examines green building policies in communities across the country. This presentation will highlight trends, including the primary green building incentives offered, the best practices of communities, and the current effect on green building of a changing economic climate.			*		*
10:00a – 11:00	Site Security Design the Next Generation of Design Excellence	S505 HPB & NSC	Many projects in both the public and private sectors have devoted substantial resources to security. A somewhat more reactive approach, the result has often come at the expense of the workplace and surrounding environment, with no significant risk reduction. The U.S. General Services Administration sees the evolving need for security as an opportunity—to achieve the best design, contribute to the sustainability of the environment, create a portfolio of buildings that will endure into the future, provide safe and productive federal workplaces, and improve the communities in which we work. Utilizing the new GSA Site Security Design Guide, this presentation will introduce you to the hallmarks of a great site security design project, with an overview of the site security design process, and case study examples that demonstrate how effectively site security design can support many project goals over the long-term.		*			*

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10:00a – 11:00	Intelligent Building Technologies for a Sustainable Future	S506 HPB	Technology has the power to transform how government and commercial entities approach fiduciary, environmental, and energy challenges, particularly among widespread campuses. Using the Internet to monitor, manage and reduce electricity usage throughout multiple campuses offers a powerful and ubiquitous collaboration platform that is essential for an environmentally sustainable future. This session will show design firms and facility managers how to reduce energy costs by 20% to 40% by centrally monitoring energy use to find efficiencies and automate environmental controls through IT Technology.	*	*	*		
10:00a – 11:00	LEED for Existing Buildings: Policies and Plans for Greening Your Facility	S507 HPB	The greening of a facility calls for changes in the practices and processes at work in it. From mechanical system procedures to purchasing policies, greening requires reworking many of the policies and programs of an organization. LEED EB offers a framework and guideline to craft the environmental aspect of these policies. This session will provide a look at these LEED requirements and the steps to implement them as well as describe the process and solutions to developing a green facility and a LEED EB O&M Certification.		*	*		
3:00p – 4:00	AECOO-1 Testbed: Lessons Learned	S600 bSa	Effective design, construction and management of buildings and other capital facilities requires information exchange among all disciplines and professions that have a stake in those facilities. This session presents the results of a 9-month effort to increase interoperability between these actors. The AECOO-1 Testbed looks at streamlining communications between parties in the conceptual design phase to get an early understanding of the tradeoffs between construction cost and energy efficiency. To that end, the project developed Information Delivery Manuals (IDMs) for quantity takeoffs and energy analysis needs, and used these to define subsets of Industry Foundation Classes (IFCs) needed in these analyses. Attendees will have the opportunity to ask the presenters questions about the Testbed, the lessons learned as well as plans for the future.	*			*	
3:00p – 4:00	BIM for Sub-Contractors	S601 bSa & HPB	This session will describe the success of Dee Cramer Inc., a General contractor, HVAC contractor and Sheetmetal sub-contractor firm that has embraced and is finding significant success in using BIM in their business. The firm specializes in all types of institutional, healthcare, and pharmaceutical research projects, as well as work in the commercial, industrial and residential sectors, and will feature examples of BIM applications in their work.	*	*			
3:00p – 4:00	BIM in Campus Facilities Management	S602 bSa & HPB	BIM has become THE new big technology issue for campus facilities management today. This presentation will look at what is happening at CFTA, whose membership is made up of institutions and their staff members who plan, develop, maintain, and manage campus infrastructures. The session will focus on the development and application of technology tools and systems used for designing, modeling, and maintaining campus facilities.	*	*			*

Thursday, December 10, 2009 (continued)

- Track Key:**
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| 1 | BIM and Information Technology | 4 | Practice & Business Management |
| 2 | Building Performance & Energy Efficiency | 5 | Sustainable Sites & Infrastructure |
| 3 | Green Building, LEED, and Sustainable Design | | |

Time	Title	#	Description	TRACKS				
				1	2	3	4	5
3:00p – 4:00	Sociology of BIM: Sofi System	S603 bSa	The Sofi System is a tool for C-level executives and senior managers who have responsibility for top-level business results. It is used in 3 basic ways: to map, measure and track change on desktops, on laptops via browser access. Change across people, process and technology, across the entire enterprise is visualized in a dynamic environment. This session will explain what Sofi is all about and how it can help our efforts to move BIM forward.	*			*	
3:00p – 4:00	The Architecture of Sustainability: The 2009 Committee on the Environment Top Ten Green Projects	S604 HPB	Each year the American Institute of Architects Committee on the Environment (COTE) invites U.S. licensed architects to submit high-performance, sustainable designs for the annual Top Ten Green Projects competition. This presentation will focus on the 2009 Top Ten Green Projects. It will feature the evaluation criteria, including performance metrics and practices, and review the whole-building design approach of the Top Ten submission criteria.			*		*
3:00p – 4:00	Sustainable Rooftops: What Building Owners and Designers Need to Know	S605 NSC	The rooftops of the United States offer an unmatched resource for achieving an energy-independent, sustainable future for our country. Because modern roofing systems incorporate high-performance thermal insulating materials, they play an important role in achieving long-term energy efficiency goals. In addition, roof surfaces across the United States offer an economical existing platform for the installation of renewable energy production, including solar and wind energy. This presentation will explore the opportunities and strategies available for building designers, owners and managers to take advantage of the opportunities our rooftops offer. Special attention will be given to current public policy and financial incentives available for the design and installation of energy efficient, environmentally sustainable roofing systems.			*		
3:00p – 4:00	The ASHRAE Building Energy Label Program: Verifying High-Performance	S606 HPB & NSC	In an era of increased interest in building energy use, ASHRAE is developing a building energy label to assist owners and potential owners in evaluating energy use and identifying opportunities for improvement. This session will outline more about the program and how firms can use it to ensure energy efficiency in existing buildings for a sustainable future.		*		*	
3:00p – 4:00	Sustainable Design: Surviving the Design Process	S607 NSC	The presentation demonstrates how the use of a UniFormat™ based Preliminary Project Description, can help to ensure that sustainable design requirements are defined early, are formulated to survive the Contract Documents Phase, and are incorporated in the completed project. Learn how design teams can convey the project scope, quality, and sustainable design strategies efficiently using established industry standards, formats, and concepts.	*			*	