

PUBLIC ARCHITECTS TRAINING WORKSHOP



May 2, 2007

Henry B. Gonzalez Convention Center

San Antonio

PRESENTED BY

The American Institute of Architects

Public Architects Committee

**A preconvention workshop in
conjunction with the AIA 2007
National Convention and Design
Exposition**

Join other public-sector
architects from all levels
of government to discuss
public architecture
business and practice.

AIA Knowledge Communities 

March 28—Advance Registration Deadline



The American Institute of Architects Public Architects Committee presents a preconvention

workshop exploring the roles and responsibilities of architects who are involved in the design of public buildings, as well as some of the latest ideas in public architecture.

Featuring a full agenda of keynote addresses, sessions, and discussions, the workshop will benefit public-sector architects who work with all levels of federal, state, and local governments. Concurrent sessions allow attendees to customize their learning experience by focusing on two main themes: green building design practices and practice management within the public sphere.

Sessions address topical issues of interest to public architects, including tools and guidelines in selecting environmentally preferable building products and materials, integrating NEPA compliance into construction and leasing programs, and best practices on leveraging existing technologies to achieve low-energy buildings. Attendees can also learn how to avoid or minimize common public agency contract disputes and receive information on the various project delivery systems that the U.S. General Services Administration has in place to manage its construction program on 1,800 federal properties in the United States.

Attendees are encouraged to join the AIA National Convention and Design Expo for more learning and networking opportunities after the workshop has concluded.

WORKSHOP REGISTRATION FEES

\$490—advance registration through March 28

\$540—full registration after March 28

To attend the workshop, you must register for the AIA National Convention and Design Expo as a public architect. Registration in this category includes full convention registration (i.e., most continuing education programs, expo education, general sessions, business meetings, and AIA Expo2007), WE21 Public Architects Training Workshop, and lunch. Tours and events are priced separately.

Visit www.aiaconvention.com for complete convention information and to register.

CES CREDITS

AIA members may earn 6.75 learning units (LUs) and up to 4.5 health, safety, and welfare (HSW) credits.



AGENDA

8:00–9:00 a.m. **Welcome and Opening Address**

Bruce Bockstael, FAIA, *2007 Advisory Group Chair, AIA Public Architects*

Marshall E. Purnell, FAIA, *AIA First Vice President*

9:00–10:30 a.m. **CONCURRENT SESSIONS**

SESSION PA11

Contracting in the Federal Sector: Strategic Sourcing and Partnership

Chuck Wilcox, *U.S. Air Force*

Chuck Wilcox of the Air Force Center for Environmental Excellence will present its business model and acquisition approach to providing world-class environmental, design, and construction services to its global customer base.

SESSION PA21

BIM Update

Barbara Price, FAIA, *Chair, Integrated Practice Discussion Group of the AIA Board Knowledge Committee, and Jacobs Facilities Inc.*

Tom McDuffie, AIA, RIBA, *Jacobs Engineering Group*
Gary Koah, *Jacobs Engineering Group*

Get the latest information on the AIA's initiatives in building information modeling (BIM) and integrated practice from Barbara Price. She will also discuss joint efforts currently under way with Associated General Contractors and the Construction Users Roundtable.

Tom McDuffie will present a case study of Jacobs's practice transformation from a traditional delivery model to a BIM-enabled integrated practice. He will review the strategic objectives he established, the implementation model, and lessons learned from the transformation process.

Gary Koah will present a technical case study of a BIM pilot program he developed for the Louisville District Corps of Engineers to assist with its move to full BIM implementation. He will present the technical development of the BIM model, how discipline coordination was achieved, how cost data was extracted from the model, and how measurement tools were used to quantify practice improvements.

SESSION PA31

Environmental Considerations and the Public Architect

Lee Salviski, *Public Building Service, U.S. General Services Administration*

Effective and efficient integration through the National Environmental Policy Act (NEPA) has been demonstrated to add value to the overall construction program. This session will provide better understanding of the federal NEPA process so that it can be more effectively and efficiently integrated into public construction and leasing programs.

10:45 a.m.–12:15 p.m. **CONCURRENT SESSIONS**

SESSION PA12

A/E Deficiencies and Contract Disputes

Alan Flieshacker, JD, Assoc. AIA, *Alan Flieshacker, Attorney*

Alan Flieshacker will identify sources of the most common public agency contract disputes with architects and the frequent deficiencies in design and construction documents prepared by them. He will discuss how those disputes and deficiencies can be avoided, minimized, and solved.

SESSION PA22

Beyond Health, Safety, and Welfare: Making It Green and Fair

Jonathan Herz, AIA, *U.S. General Services Administration*

Bill Walsh, *Healthy Building Network*

Every day, public design and construction team members must, like others in our profession, ensure the health, safety, and welfare of those who not only occupy our facilities but also those who build, operate, and maintain them. We all deal with a myriad of regulations, guides, and standards to help us do our jobs. But what is behind these rules? How do we begin to make decisions that result in the best value for the public? Understanding the basis for our regulations and requirements helps us make logical trade-offs so that we can operate in a manner that is financially, socially, and environmentally responsible. That requires a comprehensive decision-making framework. Where do we find this framework? When the many laws, regulations, and orders that govern our work are considered together, sustainable development emerges as the best, most logical model.

SESSION PA32

Environmentally Preferable Products

Nadav Malin, *Building Green Inc.*

Selecting and finding environmentally preferable building products and materials is an essential element of sustainable design. The ecological effects associated with the manufacture, installation, and use of materials occur at every scale, from building interiors to the neighborhood, the region, and the entire planet. The U.S. Green Building Council's LEED Rating System has its own evolving set of criteria. Many programs and organizations have developed tools, methods, and guidelines to assist in this process.

To select green materials wisely, it is critical to identify the most important environmental and performance indicators, the decision drivers which vary by product

types and application. This session will explore those key drivers for a range of common building materials and illustrate how those indicators are used to inform product selection and specification. Tools that will be explored include well-established certification programs, such as Greenguard and the Carpet and Rug Institute's Green Label, as well as information resources such as BuildingGreen's *GreenSpec Directory* and the Construction Specification Institute's *GreenFormat*.

12:30–1:30 p.m. **Lunch Address and Keynote**

SESSION PA01

Beyond Carbon: Some Disruptive Thoughts for the Design Sciences

Pliny Fisk III, *Center for Maximum Potential Building Systems*

Small efforts placed in the right context with meaningful ground work can have major impacts on where we are going. Pliny Fisk will describe examples from his work over the past 30 years.

1:30–3:00 p.m. **CONCURRENT SESSIONS**

SESSION PA13

Survey of GSA Delivery Methods

Gilbert Delgado, *Construction Excellence and Project Management Division, U.S. General Services Administration*

The U.S. General Services Administration (GSA) uses several project delivery systems in the execution of its construction program. The GSA has 11 regional offices that directly manage the design and construction of courthouses, border stations, and the repair and alteration of its 1,800 federal properties throughout the United States. This presentation will examine

the major delivery processes and provide quantitative information on their frequency of use. Major projects using said methods will be discussed.

SESSION PA23

Project Delivery Update

David Hart, AIA, *Capitol Preservation Board*

In the 2006 Public Architect Training Workshop, David Hart introduced many new ideas about the selection of architects and engineers and contractors. This session is a follow up and confirmation of the concepts presented to them. If you missed this presentation last year, you will want to see it this year.

SESSION PA33

Lessons Learned: High Performance Buildings

Drury Crawley, *U.S. Department of Energy*

Over the past 10 years, many high performance, green, and sustainable buildings have been designed and built. This program will focus on the results of a recent study which looked at the operating performance of six buildings in detail to understand the issues related to the design, construction, operation, and evaluation of the current generation of low-energy commercial buildings. These buildings and the lessons learned from them help inform a set of best practices—beneficial design elements, technologies, and techniques that should be encouraged in future buildings, as well as pitfalls to be avoided. This program will provide an overview of each building, its energy-related design and technology features, as well as the processes for reaching their high performance

building goals—whether a high green building rating or net zero energy. This will be followed by a discussion of the common lessons from all six buildings—the design, technologies, and team processes that worked and what didn't.

3:00–4:00 p.m. **Roundtable and Open Discussion**

The Merits of AIA Membership for Public Architects

An open discussion with members of the AIA Public Architects Advisory Group

4:15–5:30 p.m. **Closing Keynote**

SESSION PA02

The Architect's Scope, Methods, and Responsibilities in America's International Space Program

Constance Adams, *International Space Station Program Office*

Constance Adams will introduce some of the day-to-day realities behind the multigovernmental task of building the International Space Station and discuss the supportive relationship that architects can play with international and scientific endeavors. She will also point out the relevance of architects' involvement through design, referral, and materials development in transferring technologies from high-tech public projects to the terrestrial goals of economic development and the reduction of human misery as set forth by the United Nations' Millennium Development Charter of 2000.

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