

**Virtual Builders Roundtable Workshop**  
**GSA Headquarters**  
**Washington, D.C.**  
**December 12, 2005**

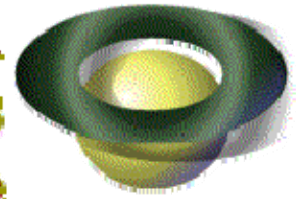


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**Virtual  
Builder's  
Roundtable**



Martin Fisher  
Chris Rafferty  
Kathleen Liston  
Dan Gonzales  
Dean Reed  
Atul Khanzode  
Ken Stowe  
Andy Fuhrman



You can't have the D's without the C's

Callaboration

Cooperation

Communication

Everything is built upon the first D

DATA

# Virtual Builder's Roundtable



<b><u>Date and Time</u></b>		<b><u>Location</u></b>
Monday, Dec. 12, 2005 8:30am-5:00pm		General Services Administration Auditorium 1800 F. Street NW, Washington D.C.
<b>Opening Remarks</b>		
8:30	Opening Remarks & Introductions	Dianne Davis, VBR
8:40	Welcome from the GSA	Leslie Shepherd, Office of Chief Architect Sam Hunter, Applied Sciences
8:50	Research & Future Developments	John Kunz, CIFE / Stanford University John Messner, Penn State University
<b>Constructability / 4D</b>		
9:00	3D Enabled Project Delivery: Opportunities for the Design/Construction Supply Chain	Samir Emdanat, GHAFARI Associates
9:15	4D – Linking A VDC 3D Model With Time as a Form Of Communication & to Assess: Daylighting, Thermal Dynamics, People Movement, Fire/Smoke Spread, Construction Logistics, Coordination & Schedule	Judith Kunoff - Parsons Brinckerhoff
9:30	What We've Learned about 3D Modeling & Coordination of Mechanical & Electrical Systems on the Camino Medical Center Project	Dean Reed & Atul Khanzode – DPR Construction John Mack, Southland
<b>9:45</b>	<b>Break</b>	
10:00	Constructability / 4D Roundtable	Speakers & Audience

<b>Cost Integration</b>		
10:50	Integrating VDC into Everyday Processes & Everyday Projects	Mike Kenig - Holder Construction
11:05	5D Virtual Construction of the CSAR C-130 Squadron Operations Facility Davis Monthan AFB	Dan Gonzales - RQ Construction
11:20	Guaranteeing Project Success: Beck's Technology for Defining Coordinated Scope & Budget	Stewart Carroll - The Beck Group
11:35	Cost Integration Roundtable	Speakers & Audience
<b>12:25</b>	<b>Lunch</b>	
<b>Owners Use of Models / Standards for Data Exchange</b>		
1:25	The Convergence of Virtual Building Environment and Data Standards	Andy Fuhrman - OSCRE
1:40	GSA's Perspective on Project Delivery: Incorporating BIM into Mainstream Projects	Pat Brunner - GSA
1:55	US Coast Guard's Roadmap to the High Performing Organization: Re-engineering of the Civil & Architectural Program	David Hammond – US Coast Guard
2:10	Owners Use of Models Roundtable	Speakers & Audience
<b>3:00</b>	<b>Break</b>	

<b>Shared Models</b>		
3:15	A Builder's View of Modeling & Collaboration from Design through Construction	Jim Brunsen & John Marshall - Satterfied & Pontikes Construction
3:30	The End of "Value Engineering": An Architect's Perspective on Collaboration	Bruce Cousins - Architechnic
3:45	Modeling Complex Design: How Mortenson Built the Denver Art Museum	Dave Sandlin - M. A. Mortenson Company
4:00	Shared Models Roundtable	Speakers & Audience
<b>Closing</b>		
4:50	Reflections on the Day	John Kunz & John Messner
4:55	Closing Remarks	Dianne Davis & Andy Fuhrman
<b>5:00</b>	<b>Adjourn</b>	