

Vision 2009: Building Commissioning
Speaker Biographies

Ajla Aksamija, PhD, LEED AP
Perkins+Will

Ajla Aksamija leads Tech Lab at Perkins+Will, center for research, understanding, evaluation and application of the elements of advanced building technology. Primary research interests and efforts include digital design and representation, information modeling, and knowledge management in architecture. She has worked on development of methodologies for computational representations of design factors, as well as applications that aid decision-making process in architectural design. Current work focuses on investigation of building technologies as they relate to improved building performance.

Wagdy Anis FAIA, LEED AP
Wiss Janney Elstner Associates

Wagdy Anis is a principal with Wiss Janney Elstner in Boston. Mr. Anis' professional focus is the integrity and performance of the building enclosure, from a research, design and troubleshooting perspective, as well as high performance, sustainable building design and indoor air quality. He consults regularly to building owners, architects, contractors, product manufacturers and the legal community regarding the design and performance of the building enclosure. He is a board member of Boston's Building Enclosure Council, The Certified Building Commissioning Professional board of the Association of Energy Engineers, and the Air Barrier Association of America (ABAA). He is chairman of the Building Enclosure Technology and Environment Council (BETEC), The BSA-IAQ committee and the Energy Advisory Committee in MA. He serves as a committee member on ASHRAE 90.1 and Technical Committee 4.4.

Mr. Anis is a lecturer in the MArch program at the Massachusetts Institute of Technology. He lectures extensively on building enclosure design and indoor air quality. He has written many technical papers and articles, and is the author of Indoor Air Quality: A Design Guide, published by the Boston Society of Architects. He is considered a national resource on air infiltration and moisture control in buildings.

Kent Barber, P.E., LEED AP
Keithly Barber Associates

Kent Barber is a registered professional engineer and LEED Accredited Professional. His building construction, design, and commissioning career spans beyond 30 years. Kent has specialized in building commissioning since 1992. Nationally recognized as a commissioning pioneer, Kent was a founding member of the Building Commissioning Association (BCA). He chaired the committee that developed the BCA's Essential Attributes of Building Commissioning; a widely recognized benchmark for quality commissioning services. Kent has also developed commissioning guidelines and protocol such as the State of Idaho's guidelines for new building commissioning and retro-commissioning, and has been a leader in promoting and refining cost-effective proactive commissioning techniques.

Kent has presented the concepts of this paper at training sessions, classes, and webinars for such organizations as ASHRAE, the National Conference on Building Commissioning (NCBC), The Building Commissioning Association (BCA), the Sustainable Buildings Advisor Program, and university facilities and capital projects groups. Kent is the Managing Principal of Keithly Barber associates (KBA); a commissioning services firm based in Burien, Washington.

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Roderick Bates, LEED AP

KieranTimberlake

Roderick Bates is a researcher focusing on reducing the ecological impacts associated with development and building construction with the architecture firm KieranTimberlake in Philadelphia. A graduate of the Yale School of Forestry and Environmental Studies, Roderick draws from a variety of fields when addressing the many environmental challenges associated with building design. At KieranTimberlake, he has developed, deployed, and collected data from sensor packages deployed in several buildings. The data collected through these efforts, after analysis, has been used as an active component of the firm's design process to improve the practice of sustainable design, in addition to fine-tuning advanced mechanical systems. In developing and analyzing sensor data, Roderick has worked with a variety of manufacturers to develop and appropriate monitoring technology.

George Blackburn, AIA, NCARB

Construction Consulting International

Mr. Blackburn is a nationally certified Architect (NCARB) currently licensed in Texas and the U.S Virgin Islands. He has over forty years experience in the analysis, planning, design, and construction management of a wide variety of building types. Building analysis projects have included assessment of the condition of building foundations, exterior walls, roofs and interior conditions and building code compliance. Clients are real estate developers, architects, attorneys, general contractors, property owners, facility managers, insurance companies, and mortgage lenders. Properties have ranged from single-family residences to high-rise office and residential buildings.

He currently specializes in building enclosure design consulting, condition assessment, and failure analysis. Previous experience includes design/build projects, building condition analysis, forensic and diagnostic architecture, and construction dispute resolution over the last twenty years. Project types managed have included new construction, historic and damage restoration, rehabilitation, remediation, and adaptive reuse with project values to \$250 million. Building types have included commercial office and retail, institutional, government, transportation, and multi-family residential and have included high-rise structures. For the past ten years, the focus of his work has been on building enclosure design consulting, condition analysis, failure and damage investigations, and testing. He has been involved with architectural forensic cases involving building failures; personal injury and death related to building design, construction, and deferred maintenance; and property damage claims providing opinions about the cause, origin, extent of damage, and construction claims. He has provided expert opinions, reports, depositions, and arbitration hearing and trial testimony related to building enclosure issues.

Michael J. King, FCSI, CCS

ARCOM

Michael J. King, FCSI, CCS is the Vice President of Engineering Specifications at ARCOM, the writers and publishers of MASTERSPEC®, a product of the American Institute of Architects (AIA). Michael joined the MASTERSPEC team in May of 1986. He has accumulated over 40 years of experience in mechanical design, specifications, and construction administration in Indiana, the District of Columbia, and Virginia. Michael has been a speaker at several AIA, Construction Specifications Institute (CSI), and the American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE) national conventions and chapters and the principle instructor for several AIA and CSI national specifications seminars. Michael has presented seminars on CSI specification principles to several engineering firms

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throughout the United States. Michael is a member of ASHRAE and is a voting member of Technical Committee 7.1 – Integrated Design, 7.9 – Commissioning, GPC 1-96R – the HVAC Commissioning Process, and SGPC 0-05 – the Commissioning Process. Michael is a Fellow in CSI and served as a voting member of CSI's MasterFormat Expansion Task Team and is currently chair for CSI's MasterFormat Maintenance Task Team.

Kevin Knight

Architectural Testing, Inc.

Kevin Knight has over 20 years experience in building envelope technology, in the field, as a researcher and as a trainer, and has extensive experience in the development of building envelope commissioning and testing protocols. He is a contributing editor for the Journal of Architectural Coatings, is a frequent lecturer on building envelope science, and has had numerous papers published through ASTM, CMHC, and architectural and trade journals. Mr. Knight currently sits on the ASTM E06 subcommittee, is a Board Member of the Building Environment and Thermal Envelope Council (BETEC), and is a member of the Society of Protective Coatings (SSPC).

Mark Miller, PE, CCP, CEM, LEED AP

Strategic Building Solutions, LLC

Mark Miller, PE, CCP, CEM, LEED, a Principal of Strategic Building Solutions (SBS), has worked to make commissioning a common practice by developing and promulgating high quality standards for the new and existing building commissioning process. He has been a BCA member and Certified Commissioning Professional (CCP) for several years.

In discussing the importance of best practices, Mark notes "We, as an industry, are at a crossroads and our challenge now is to define quality standards and educate the industry of these standards so that the benefits and value of commissioning are not diminished." The "Best Practices" document is being created to define the qualities and characteristics of best commissioning practices and to promote those practices in the commissioning marketplace.

In addition to leading SBS' commissioning and energy management services team, Mark has been instrumental in supporting the advancement of commissioning and existing building commissioning on a national level. He is currently serving as the Founding President of the Northeast Chapter of the Building Commissioning Association; chairs the BCA's Existing Building and New Building Commissioning Guideline Committees; and, is helping to develop a new ASHRAE guideline for the commissioning of HVAC/R systems.

John Runkle, P.E.

Architectural Testing, Inc.

John Runkle worked for a national consulting engineering firm for 8 years and in 3 major metropolitan areas across the country. He assisted in the development of regional offices for Architectural Testing, Inc. in Chicago and Los Angeles. He is responsible for the management of these offices, as well as Forensic and Field Testing staff in the York, Pennsylvania headquarters. Collectively, his staff has performed waterproofing consulting, litigation support, or field testing services in most of the states and every large metropolitan area throughout the country. He has worked on a large number of commercial, residential, and industrial projects that involved building envelope testing, inspection, and/or consulting.

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Mark Sullivan, AIA, NCARB

Mark Sullivan Architects

Mark Sullivan is founder and principal of Mark Sullivan Architects, a Massachusetts based firm specializing in healthcare architecture but highly experienced in commercial and residential architecture as well. He has worked for many architectural firms, was one of the four founding partners of a large Boston healthcare firm prior to establishing his own firm in 1987. Sullivan, a graduate of Wentworth Institute of Technology has over 36 years of general architectural experience including 28 years in healthcare architecture. Licensed to practice architecture in MA, CT and NH, he is also registered by the National Council of Architectural Registration Boards (NCARB).

He is involved in all aspects of the architectural project producing aesthetically pleasing designs with a vast knowledge of the technology of building construction, including building materials, building systems, codes and regulations, etc. that are an inherent part of healthcare space design and construction in the 21st Century. Sullivan's project experience includes all phases of the architectural process: project management, programming, schematic design, design development, contract documents, construction administration and interior design. Using cutting edge computer drafting systems (CAD), 3D computer generated renderings and walk-through movies to prepare their design documents he has helped clients better understand and visualize their projects during the planning phases. Recently, Computer Simulation Modeling has been used as both a pre-design and post design evaluation tool. He was the project architect for the simulation modeling team for the National Nurses Time and Motion Study. His Ambulatory Surgery Unit architectural design was featured in Reid and Sanders, second edition of 'Operations Research'. He has presented at healthcare, management and simulation conferences.

Ron Wilkinson, PE, LEED AP

AKF Group and Chair of the AIA Commissioning Advisory Committee

A member of the editorial board of Heating/ Piping/ Air Conditioning Engineering magazine, Ron Wilkinson is an international speaker on commissioning practices and has been published in the ASHRAE Journal, HPAC, CSE, Energy User News, Engineered Systems and Engineering News-Record magazines. He is an ASHRAE Distinguished Lecturer and an AIA Continuing Education Lecturer, wrote the USGBC LEED-NC commissioning training program and is a regular speaker at the National Conference on Building Commissioning. He was co-chair of the Commissioning Guideline Committee of the National Association of State Facilities Administrators which published its "Building Commissioning Recommended Guidelines" in April 2003, and had his "Best Practices in Commissioning" published by the Northwest Energy Efficiency Alliance in 2000. He is currently serving as Recording Secretary for ASHRAE GPC 1.2 / 0.2, Guideline for Commissioning Existing Buildings, and is Chair of the AIA Building Science and Performance Commissioning sub-committee. He earned his BSMAE from the Illinois Institute of Technology in 1971 and his master of Public Administration from the Evergreen State College in 1985. He is currently a Sr. Commissioning Project Manager for AKF Engineers, LLC, in New York City.