



# Project Delivery Symposium 2020

Delivering the future

## Speakers



### **Nancy Alexander, Allied AIA**

principal, Lumenance Consulting LLC

As an organizational consultant, coach to leaders and teams, Certified Master Facilitator™, and catalyst for shared vision and collective change, Nancy Alexander is a long-time partner to architects and the building industry. She is co-author of the AIA Guides for Equitable Practice.

Through her consulting practice, Lumenance Consulting LLC, Nancy has served numerous building industry organizations, including The American Institute of Architects (AIA), AIA Connecticut, Association of Collegiate Schools of Architecture, Autodesk, and others. Nancy has presented at AIA national conventions and Women's Leadership Summits, Autodesk University, SEAoNY and the EqxD (Equity by Design) symposium. She is a frequent guest lecturer at the Yale School of Architecture, where she serves on the Dean's Council.



### **Phillip G. Bernstein, FAIA, RIBA LEED AP**

assoc. dean and senior lecturer, Yale School of Architecture

Phil Bernstein is an architect, technologist and educator who is associate dean and senior lecturer at the Yale School of Architecture, where he received his B.A (honors) and M.Arch and has taught since 1988. He was formerly a vice president at Autodesk where he was responsible for setting the company's future vision and strategy for BIM technology, as well as cultivating and sustaining the firm's relationships with strategic industry leaders and associations.

Prior to Autodesk, Phil was a principal at Pelli Clarke Pelli Architects where he managed many of the firm's most complex commissions. He is the author of *Architecture / Design / Data – Practice Competency in the Era of Computation* (2018) and co-editor of *Building (In) The Future: Recasting Labor in Architecture* (2010 with Peggy Deamer), and speaks and writes extensively on technology, practice and project delivery. He is a senior fellow of the Design Futures Council and former chair of the AIA National Contract Documents Committee.



**James Brogan, AIA, RIBA, NCARB**

principal/CIO, Kohn Pedersen Fox Associates PC (KPF)

James is principal/CIO with Kohn Pedersen Fox Associates (KPF), responsible for the digital strategy in KPF's 9 global offices. This oversight includes digital practice technologies - advanced parametric modeling and BIM, 3D printing and fabrication, immersive visualization technologies, information strategies, data visualization and analytics, global I+O strategies, and the KPF intranet.

James served as the chair and vice chair of the National AIA Technology in Architectural Practice Committee and is a member of the AIA CIO Roundtable. He is also the former chair and vice chair of the AIA New York Chapter Information Technology Committee.

James co-authored the Technology Section of the AIA Handbook of Professional Practice, contributed to Cisco's 'Connected Real Estate' and 'The Global Architect' books, and has been featured in UK-based Building Design, Architectural Record, Architect, The New York Times, Metropolis, Newsweek and Engineering-News Record.



**Michael Brotherton, AIA**

President, SITU

Michael is an architect and design specialist with expertise in digital fabrication and construction. As President of Fabrication at SITU, he has overseen the production of hundreds of complex projects across multiple scales—from a 500-ft-long pedestrian bridge in Providence, RI and a multistory art installation for James Turrell, to a mobile food kiosk launched in Times Square and numerous finely detailed sculptures.

In addition, he currently serves as co-chair of the AIANY's Technology Committee and on the advisory board of the Brooklyn Navy Yard's S.T.E.A.M. Center. Michael is a licensed architect in New York State and earned his Master of Architecture degree from The New School and a Bachelor of Science degree in Architecture from Washington State University.

**Renée Cheng, FAIA**

dean, College of Built Environments, University of Washington

Renée Cheng joined the College of Built Environments as dean on January 1, 2019. Dean Cheng comes from the University of Minnesota where she was a professor, associate dean of research, head of the school of architecture, and directed an innovative graduate program linking research with practice and licensure. Prior to UMN, she taught at the University of Michigan and the University of Arizona. She is a graduate of Harvard's Graduate School of Design and Harvard College.

A licensed architect, her professional experience includes work for Pei, Cobb, Freed and Partners and Richard Meier and Partners before founding Cheng-Olson Design. Dean Cheng has been honored twice as one of the top 25 most admired design educators in the United States by DesignIntelligence. She has received numerous honors and awards including the 2017 Lean Construction Institute Faculty Award and was named to the American Institute of Architecture's College of Fellows in 2017.

**Patrick Crosby**

principal, Crosby Group

Mr. Crosby established the Crosby Group in 1992 and serves as president and managing principal. With over 40 years of experience, he has been an innovator in the field of structural engineering and stays abreast of structural and seismic design solutions from around the world and has introduced several of these cutting-edge technologies to projects in the United States and abroad. Patrick has led the engineering community in the implementation of passive energy dissipation devices (dampers), buckling restrained brace frames, fiber reinforced composites, and shock transmission units.

**Greg Gidez, AIA, FDBIA**

corporate director of Design Services, Hensel Phelps

Mr. Gidez, a licensed architect, is the corporate director of Design Services for Hensel Phelps. Prior to joining Hensel Phelps in 2007, Mr. Gidez was a principal with the Denver firm of Fentress Architects. As the senior design professional with Hensel Phelps, Mr. Gidez oversees preconstruction services including marketing, procurement, design build, design assist, and design management. Mr. Gidez formed and oversees the Hensel Phelps Building Information Technologies department (Virtual Design and Construction), advancing the use of VDC and technology into the design and construction processes.

Mr. Gidez is national speaker on integrated design and construction. He was the 2011 chair of the Design Build Institute of America Board of Directors, where he started the Design Excellence awards program and the 2015 chair and board member of the AIA Project Delivery Knowledge Community, where he envisioned the PDKC's Project Delivery Symposium, and annual event at the AIA National HQ in Washington DC. bringing together a diverse dialogue on Project Delivery.



### **Steve Greulich**

assoc. vice president of Capital Projects, University of Pennsylvania Health System

Steve Greulich is associate vice president of Capital Projects for the University of Pennsylvania Health System. For the past five years, Steve has been leading the Integrated Project Delivery (IPD) team on the new hospital project at the Hospital of the University of Pennsylvania. Steve has 36 years of experience in the design and construction industry, both as owner and builder. He spent approximately 10 years in preconstruction which rounds out his career experience in the design, construction and building owner industry. Steve received a Bachelor of Architectural Engineering degree from Penn State University.

Steve has been with the UPHS since October 2006 and has had oversight of many capital construction projects in the past 11 years, ranging from small renovation projects to \$500M new construction to campus-wide master planning efforts. Prior to UPHS, Steve worked for large CMs in the Philadelphia and Washington, DC areas as well as for SAP, managing all aspects of a new headquarters project.



### **Ed Hanzel**

sr. project executive, LF Driscoll

Ed began his career in the construction industry in 1987. Ed's project experience includes multi-phased complex additions to existing healthcare facilities and ground-up construction. Ed's strong communication skills, leadership, and technical expertise are currently guiding the Penn Medicine Pavilion, a 1.5 M sf integrated project delivery (IPD) project.



### **Ryan Johnson, AIA, LEED AP**

architect | computational designer, Clark Nexsen

A licensed architect with more than 12 years of experience, Ryan believes that technology and the tools available in the industry are reflected in the buildings that we create. Throughout his career he has used technology to not only transform the design process, but also transform the built environment. He created and led Clark Nexsen's Tech Studio, which leverages current and future technology to facilitate design, collaboration, exploration, and workflow. He is now leading the computational design effort in his firm. Pushing the use of computational thinking and computational tools such as automation, parametric design, data, and simulation Ryan works to transform design. He has been serving on The American Institute of Architects Technology in Architecture Practice (TAP) Knowledge Community at the national level since 2017 and is the 2020 chair.

**Stephen Jones**

sr. director, Industry Insights Research, Dodge Data and Analytics

At Dodge, Steve Jones focuses on how emerging economic, practice and technology trends are transforming the global design and construction industry. In addition to hundreds of global speaking engagements and numerous articles in industry publications, he produces Dodge Data & Analytics' SmartMarket Reports on key industry trends, which are frequently cited as authoritative references.

Before joining Dodge, Steve was vice president of Primavera Systems (now part of Oracle), the global leader in project management software. Prior to that, Steve spent 19 years in creative and management roles with top architectural/engineering firms, most recently as a principal and Board of Directors member with Burt Hill, one of the largest A/E firms in the US (now merged with Stantec).

**Jason Lukes, LEED AP**

assoc. principal, HVAC, BR+A Consulting Engineers

How do we deliver challenging healthcare projects in today's fast-paced, results-oriented marketplace? "Collaboration is key," according to Jason Lukes, associate principal and HVAC engineer with BR+A Consulting Engineers. Over 21 years of engineering building systems for intensive academic research, technology, laboratory, and healthcare buildings, Jason has delivered successful projects across a broad range of size and complexity utilizing a variety of delivery methods.

Jason's implementation strategies include early benchmarking and goal-setting, leading set-based design discussions, fostering inter-disciplinary coordination, bringing decision makers to the table at appropriate inflection points, and soliciting input directly from users. His clear vision and a pro-active approach to engineering design problems make him a valuable contributor from the first sketch through facility activation.



### **Virginia McAllister**

CEO, Iron Horse Architects

Ms. McAllister has been involved in projects in the city and county of Denver and across the country for the last 27 years. Her projects range from the first residential project in the Golden Triangle in the early 90's to leading large municipal projects like the Grand Hyatt Convention Center Hotel. Her practice has grown over the decades and her team has contributed to over \$5.2B in Design-Build work across the country. She is on the National Board of the Design-Build Institute of America (DBIA) and her experience ranges from several million-dollar renovations to billion dollar projects. Ms. McAllister is passionate about keeping Design in Design-Build and leveraging the process to help her clients maximize their return on investment.



### **Spiro Pollalis, PhD**

Research Professor of Design, Technology and Management, Harvard University

Prof. Pollalis has been Professor of Design, Technology and Management at the Harvard Design School since 1986. Now, he focuses exclusively on research in sustainability and management. He is the Director of the Zofnass Program for the Sustainability of Infrastructure, which has developed the Envision® rating system. He has taught as a visiting professor at Uni-Stuttgart, Germany; TU-Delft, Holland; ETH-Zurich, Switzerland. He has published several books and articles in journals and has given many lectures in conferences in his field.

In his private practice, Prof. Pollalis is a contractor to GSA in the "Learning from our Legacy" Program; he has planned sustainable cities in Asia and consults on sustainability and management. Two of his signature bridges have been constructed: in Columbus Ohio, and in Athens, Greece, and played a central role in the design and construction of the iconic Zakim bridge, the new symbol of Boston.





### **Brian Pratt, AIA, DBIA, LEED AP**

asst. vice chancellor/campus architect, University of California, Irvine

Brian Pratt is the campus architect, and assistant vice chancellor for Design & Construction Services at the University of California, Irvine. Currently overseeing major academic building projects, research facilities, and housing projects, he leads the Design and Construction efforts for the campus delivering highly complex projects via design build. Brian has served in the private and public sectors, formerly leading the Orange County Architecture Discipline as a principal with AECOM. Having served on the Board of Directors and as president of the American Institute of Architects, Orange County, he is accustomed to working with complex projects and multiple user groups. Brian has recently led a variety of project types, including laboratories, sports facilities, retail, cultural, and civic, both new and renovation. Past clients include UCSD, UCLA, CSUF, UCSB, UCR, the Arizona Cardinals, University of Arkansas, and Pomona College, Brian's work has been recognized with several awards and recognitions and many projects have achieved LEED Platinum certification.



### **Warren Rosebraugh, MSA**

director of solution architects, Schneider Electric

Warren Rosebraugh is the director of solution architects for Schneider Electric Buildings North America, specializing in the healthcare market. His approach is to simplify the healthcare environment by utilizing an integrated control platform. Warren designs customer solutions based on their unique needs and supports sales efforts by integrating Schneider Electric products with other best-in-class offers. His extensive experience has been global in nature, working for Andover Controls as the Far East Training and Operations manager and then as the director of operations for Strategic Accounts. He formed and was the director of operations for the Security Center of Excellence in North Andover, Massachusetts before taking on his current role. Warren brings more than 25 years of experience in building solutions and security, joining Schneider Electric in 1996.



### **Mark Sands**

president, Agile Integrated Solutions

Mark Sands is president of Agile Integrated Solutions (AGILIS), and general manager of its software company, Building Catalyst, LLC. Mark holds a BS in Civil Engineering, Masters in Business Administration, and a Professional Engineer license. Mark managed commercial and institutional projects across much of the US for the first half of his career.

In 1999 Mark began the transition from traditional construction toward aggressive automation and manufacturing-inspired building development. This led Mark, and his team, to develop a reliable predictive modeling and big data analysis system—Building Catalyst. This system enables the transformation toward a fully integrated, highly automated process for advancing facility planning, design, budgeting and production.

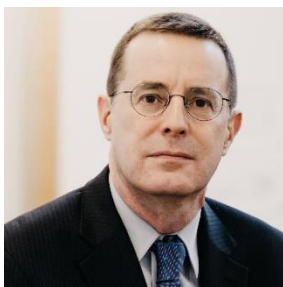
**Deborah Sheehan, DBIA, ACHE, LEED AP**

managing director, BDO USA, LLP

Deb is a managing director of BDO USA, LLP's Advisory Practice, a team that is devoted to helping organizations achieve optimal operational and financial performance outcomes in deploying their processes and real estate assets. BDO's practice brings together leaders with deep experience across financial, clinical, design, construction, operations, data analytics, and legal disciplines committed to a collaborative culture to create robust organizational change.

Honing a background of business management, design, engineering and construction, Deb champions strategies that shape industry trends and anticipate next generation solutions. Her success partnering with clients across the globe has made her a sought-after industry expert, contributing to ASHE, American Business Journal and Becker's Hospital Review as well as National Building Sciences Institute.

In a career spanning three decades, Deb has been honored for her evidence-based project delivery approach. Her work has been published by organizations such as Building Design & Construction and Health Facility Management in addition to features in The Wall Street Journal, Fast Company, Forbes and Modern Healthcare.

**Dennis Sheldon**

assoc. professor of architecture, Rensselaer Polytechnic Institute

Dennis Sheldon is an associate professor of architecture at Rensselaer Polytechnic Institute, and director of the Center for Architecture, Science, and Ecology (CASE) in New York City. An expert in applications of digital technology to building design, construction and operations, he has worked in professional practice, technology entrepreneurship and academia across architectural, building engineering and computing disciplines. He has lectured and written widely on topics of computational applications to architecture and building industry transformation. He previously held faculty positions at Georgia Tech, MIT, UCLA, the Southern California Institute of Architecture (SCI-Arc).

Dr. Sheldon has been an entrepreneur and innovation leader in several professional organizations. He led the development of architect Frank Gehry's digital practice as Director of R&D and Director of Computing. He then co-founded Gehry Technologies, serving as Chief Technology Officer on the development of several software products and Project Executive on numerous groundbreaking building projects. He has previously worked with diverse architecture, engineering and technology firms including Arup, Trimble, Cyra Systems and Consultant's Computation Bureau. He holds a BS in Architectural Design, an MS in Civil and Environmental Engineering, and a PhD in Design Computation from MIT, and is a licensed architect in the State of California.





**James Vandezande, AIA**

chief technology officer, HOK

James is a senior principal and chief technology officer at HOK—a global design, engineering, planning and consulting firm. He is considered a pioneer in the field of BIM and has lectured at many industry events including Autodesk University, CMAA, ENR FutureTech, Urban Land Institute and the AIA National Convention. He is a co-founder of the NYC Revit Users Group and has served as chair of the BIMForum board of directors. James has also authored the book series, “Mastering Autodesk Revit Architecture” in addition to serving as an adjunct lecturing professor at the NYU Tandon School of Engineering. He also serves as HOK’s designated representative for buildingSMART International and has held leadership roles in the development of the US National BIM Standard and the Level of Development (LOD) Specification.



**Kenneth Webb, AIA, ACHA, LEED BD+C**

Washington, DC director of Health, HKS

Kenneth has dedicated his 20-year professional career to focus on hospital planning and design for a broad range of national and international healthcare systems.

A healthcare specialist and healthcare practice leader, much of his healthcare practice knowledge was developed early on through a focused education at Clemson University’s highly regarded Architecture + Health Program. He earned a Master of Architecture degree within that concentration, learning the complex demands of healthcare design. Most important, he learned to create healthcare facilities that advance human health and well-being.

Kenneth specializes in hospital planning and design and is recognized for helping create numerous innovative healthcare facilities that enhance care and improve clinical and business operations. In addition, he leads project teams, beginning with the conceptual phase of a hospital design and continuing through the construction of successful healthcare facilities. His value driven leadership skills help to lead user-group meetings in the planning of hospitals, ensuring that new hospital designs help caregivers work more effectively and efficiently.