



## Spring Conference 2012 at Duke University

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## Spring Conference 2012 at Duke University

### *Session Locations*

#### **Wednesday                      April 25, 2012**

7:30am – 5:30pm      Duke University Sarah P. Duke Gardens Doris Duke Center  
420 Anderson Street, Durham, NC 27708 (919) 684-3698

7:00pm – 10:00pm    Duke University Nasher Museum of Art  
2001 Campus Drive, Durham, NC 27705 (919) 684-5135

#### **Thursday                      April 26, 2012**

8:30am – 11:30am    Duke University Fuqua School of Business Faculty Hall  
100 Fuqua Drive, Durham, NC 27708

1:00pm – 5:30pm      Duke University School of Nursing Peter & Ginny Nicholas Auditorium  
307 Trent Drive, Durham, NC 27710

5:30pm – 8:00pm      Tobacco Road Sports Cafe  
280 S. Mangum Street, Suite 100, Durham, NC 27701 (919) 937-9909

#### **Friday                      April 27, 2012**

7:30am – 9:00am      Washington Duke Inn and Golf Club Duke University Room  
3001 Cameron Boulevard, Durham, NC 27705 (919) 490-0999

9:00am – 2:00pm      Duke University French Family Science Center Lecture Hall  
124 Science Drive, Durham, NC 27708

### **Contact Information**

AFC Spring Conference 2012 Chair	Mitchell Vann	(919) 452-6221 cell (919) 684-9325 office
Washington Duke Inn & Golf Club	Host Hotel	(919) 490-0999



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### *Detailed Agenda*

#### Wednesday                      April 25, 2012

- 7:00                      Meet in lobby of Washington Duke Inn and Golf Club
- 7:20                      Bus Pick-up from Washington Duke Inn and Golf Club to Doris Duke Center
- 7:30-8:00                Breakfast at Doris Duke Center, Duke Gardens – 30 minutes
- 8:00-8:15                Conference Welcome & Kick-off – 15 minutes
- 8:15-8:45                Session – 30 minutes
- Topic: **Leadership and the Facility Management Professional – Part 1**
  - Speaker: Jackie Podger, Duke Learning & Organizational Development
- 8:45-9:15                Session - 30 minutes
- Topic: **Duke & Durham - An Orientation**
  - Speaker: Scott Selig, Associate Vice President, Real Estate Administration
- 9:15-9:45                Session – 30 minutes
- Topic: **Duke University – Beginnings**
  - Speaker: Valerie Gillispie, University Archivist
- 9:45-10:00              Break – 15 minutes
- 10:00-11:00             Session – 1 hour
- Topic: **Overview of Duke University Facilities**
  - Speaker: John Noonan, Vice President for Facilities
- 11:00                      Bus Pick-up from Doris Duke Center to Duke Chapel
- 11:00- 12:30            **Walking Tour of West Campus** –1 hour, 30 minutes
- 12:30-1:30                Lunch at Doris Duke Center, Duke Gardens – 1 hour
- 1:30-2:30                Session – 1 hour
- Topic: **Duke Sustainability**
  - Speakers: Tavey McDaniel Capps, Director, Environmental Sustainability & Tatjana Vujic, Director, Duke Carbon Offsets Initiative



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- 2:30-3:30 Session – 1 hour
- Topic: **Water/Stormwater**
  - Speaker: Steve Palumbo, Energy Manager, Facilities Management
- 3:30-5:30 **Bus Tour of Duke East Campus, Central Campus, West Campus**
- 4:00-4:45 Tour of the Duke Smart Home – 45 minutes
- 5:30 Bus Drop off at Washington Duke Inn & Golf Club
- 6:50 Bus Pick-up from Washington Duke Inn and Golf Club to Nasher Museum of Art
- 7:00 **AFC Spring Conference Keynote Dinner at Nasher Museum of Art at Duke University**
- 7:00-7:30 Cocktails, Meet and Greet – 30 minutes
- 7:30-8:15 Dinner – 45 minutes
- 8:15-9:15 Keynote Address – 1 hour
- Topic: **Duke University Architecture and Campus Planning – 1930-present**
  - Speakers: Dr. Tallman Trask III, Duke University Executive Vice President & John Pearce, Duke University Architect 1992-2010 & Advising Architect
- 9:15-10:00 Museum Exhibits open for viewing – 45 minutes
- 10:00 Bus pick-up from Nasher Museum for drop-off at Washington Duke Inn and Golf Club

### Thursday      April 26, 2012

- 7:30 Meet in lobby of Washington Duke Inn and Golf Club
- 7:30-7:45 Walk to R. David Thomas Executive Conference Center – 15 minutes
- 7:45-8:25 Breakfast at R. David Thomas Executive Conference Center – 40 minutes
- 8:10 Special presentation by IFMA Board Member Bill O’Neill
- 8:25-8:30 Walk to Fuqua School of Business – 5 minutes
- 8:30-10:00 Session – Panel Discussion – 1 hour, 30 minutes
- Topic: **Duke Gets off Coal**
  - Speakers: Russell Thompson, Director, Utilities & Engineering Services and panel



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- 10:00-10:15 Break – 15 minutes
- 10:15-11:30 Session – 1 hour, 15 minutes
- Topic: **Project Delivery + Case Study on Nasher Museum and Coach K Center of Athletic Excellence**
  - Speakers: Paul Manning, Director, Project Management & Fred Perpall, Beck
- 11:30-11:45 Walk to School of Law, Sanford School of Public Policy & Duke Athletic Complex
- 11:45-12:45 Lunch and free time: Hall of Honor, Duke Basketball Museum, Cameron Indoor Stadium, Duke Athletics Hall of Fame, Duke Athletic Complex – 1 hour
- 12:45 Bus pick-up at Cameron Indoor Stadium to School of Nursing
- 1:00-1:45 Super Session – 45 minutes
- Topic: **Building Information Modeling (BIM) Overview**
  - Speaker: John Janzen, Autodesk
- 1:45-2:30 Super Session – 45 minutes
- Topic: **Building Information Modeling (BIM) for the Facility Manager**
  - Speaker: Mike Schley, FM Systems
- 2:30-3:00 Break – 30 minutes
- AFC joined by Triangle Chapter of IFMA
- 3:00-3:30 Super Session – 30 minutes
- Topic: **Duke Medical Center & Health System Master Planning**
  - Speaker: Greg Warwick, Medical Center & Health System Architect
- 3:30-4:00 Super Session – 30 minutes
- Topic: **Duke University Hospital Infrastructure Planning**
  - Speaker: Ken Powell, VP, Facilities & Support Services, Duke University Hospital
- 4:00-4:30 Super Session – 30 minutes
- Topic: **Duke Medicine Pavilion & Duke Cancer Center**
  - Speaker: Shawn Subasic, Director, Facilities Planning, Design & Construction & Todd Joyce, KBR
- 4:30-5:30 **Hard-hat Walking Tour of Duke Medicine Pavilion – 1 hour**



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- 5:45 Bus pick-up from School of Nursing to Networking Social
- 6:00-7:30 **IFMA – Triangle Chapter Networking Social @ Tobacco Road Sports Café**
- 7:30 Bus pick-up from Social for drop-off at Washington Duke Inn and Golf Club & Free Night

### Friday April 27, 2012

- 7:30-9:00 Breakfast and **AFC Business Meeting**, Washington Duke Inn and Golf Club, Duke University Room – 1 hour, 30 minutes
- 9:00-10:00 Walk to French Family Science Center & Tour of Gross Chemistry Building – 1 hour
- 10:00-11:30 Session – 1 hour, 30 minutes
- Presentation: **United Nations Framework Convention on Climate Change in Durban, SA, 2011: Duke Students Participation & Contributions**
  - Speakers: Nicholas School of the Environment Master of Environmental Management Candidates
- 11:30-12:30 Lunch – 1 hour
- 12:30-1:15 Session – 45 minutes
- Topic: **LEED beyond Building Occupancy**
  - Speaker: Bae-Won Koh, AIA, USGBC® Faculty™, LEED® AP BD+C, Vice President & Director of Design, Innovative Design, Inc.
- 1:15-1:45 Conference Wrap-up – 30 minutes
- Topic: **Leadership and the Facility Management Professional – Part 2**
  - Speaker: Jackie Podger, Duke Learning & Organizational Development
- 1:45 Walk to Washington Duke Inn and Golf Club via Duke Bryan Center Student Union



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### *Session Summaries*

#### **Leadership and the Facility Management Professional**

Facility Management Professionals are skilled administrators, managers, supervisors, employees, technicians. This module will look at the Facility Management Professional as LEADER.

What motivates you? What is your skill set? What's your next step on the ladder of success? How do you take your team/department/division/organization to the next level? What is the next level? What do you want to develop in yourself and why and then how?

This module is in two parts; Part 1 - at the start of the conference and; Part 2 - at the end of the conference. These questions and others will be asked and then answered. You will be re-energized!!

Keywords: Leadership, Professional Development, Success

#### **Duke & Durham – An Orientation**

Known as “the flower of the Carolinas,” Durham, North Carolina, began as a native American community before transitioning into a major tobacco center; then to the City of Medicine; and is now one of the best and “foodiest” places to live in the country. The relationship between Duke and Durham is interdependent, prosperous, collaborative and growing. This session puts the “place” in Duke and Durham.

Keywords: Durham/Duke History, Town/Gown

#### **Duke University – Beginnings**

Duke University in Durham, North Carolina traces its origins to 1838 to Methodist and Quaker families in rural Randolph County, NC. In 1892, after a spirited competition among Piedmont cities, Trinity College (now East campus) opened in Durham, largely because of the generosity of Washington Duke, an influential and respected Methodist who became prosperous in the tobacco industry. In 1924, James B. Duke established The Duke Endowment, a forty million dollar trust fund, which transformed Trinity College into Duke University and sparked the development of a new, gothic West Campus and extensive renovation of the East Campus. This session orients you to historical Duke University and more.

Keywords: Duke History, Duke Tradition, Durham

#### **Overview of Duke University Facilities**

This session gives an overview of Duke's Facilities Management, focusing on the facility portfolio and the role the department plays as steward of the University. Highlighted are the Strategic Initiatives developed by the department in order to best make its mission of providing excellence in planning, design, construction, operations and maintenance for facilities, grounds and utilities in a customer-focused, efficient and sustainable manner a reality.

Keywords: Facility Management, Organization, Strategy



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### **Duke Sustainability**

Since signing the American College and University Presidents' Climate Commitment in 2007, Duke University has developed an aggressive Climate Action Plan with the goal of neutrality by 2024. To meet the climate neutrality goal, Duke plans to cut its emissions on campus by 45% and use local offsets to achieve the remaining 55% reductions in 2024. To this end, the University has also established the Duke Carbon Offsets Initiative (DCOI) to catalyze and facilitate local offset projects in the region. DCOI not only helps the campus meet its CAP targets, but also serves as a catalyst for the generation of high quality/high integrity carbon offset projects that provide important environmental, economic and social co-benefits in the Carolinas. This session will explore Duke's Climate Action plan with emphasis on the Offsets Initiative.

Keywords: Emissions Reduction, Sustainability, Climate Action Plan, Offsets

### **Water/Stormwater**

Water is one of our most important resources and good water management can be challenging. Learn about Duke's potable and stormwater management best practices, conservation measures, benchmarking and new initiatives. Sustainable projects include a new chilled water plant, new wells, metering, reclaimed water reuse, Stream and Wetland Assessment Management Park (SWAMP), water reclamation ponds and others. This session will build on Duke's sustainability successes, education efforts, and innovation while exploring new opportunities in working with local government and regulatory agencies to build an impressive water conservation program.

Keywords: Water Conservation, Sustainability, Facility Management

### **Home Depot Smart Home**

Duke's Smart Dorm was the first LEED Platinum building on Duke's campus and the first live-in laboratory in the world to receive the highest certification from the USGBC. The Home Depot Smart Home is a 6,000 square foot live-in research laboratory operated by Duke's Pratt School of Engineering. The Home Depot Smart Home, part of a Duke Smart Home Program, creates a dynamic "living laboratory" environment that contributes to the innovation and demonstration of future residential building technology. The central concept of this project is our belief that smart homes can improve the quality of life for people of all ages and incomes.

Keywords: LEED, Sustainability, Dormitory/Laboratory

### **Duke Master Planning & Duke Architecture**

Keynote speaker Dr. Tallman Trask, Executive Vice President and John Pearce, Advising Architect will present an in-depth look at Duke's architecture over the decades. As Executive Vice President and Treasurer, Dr. Trask is responsible for the budget, financial affairs, procurement, debt, campus planning, architecture, maintenance and construction, real estate, human resources, academic and administrative computing, audit, safety and security, and auxiliary services (including dining, stores, parking and transportation). Mr. Pearce, FAIA, served as the University Architect from 1992 until 2010. In this role, he was responsible for the overall aesthetics of the campus, the Master Plan, building site planning, historic preservation and landscape design,





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as well as the exterior design of all University facilities by advising University Officers, Trustees, and committees on planning and building design issues.

Keywords: Architecture, Master Plan, Design

### **Duke Gets Off Coal**

After decades of using coal to fire steam plant furnaces for all university and medical center heating, Duke Facilities Management converted their coal-fired plants to natural gas as the fuel source. Dozens of key players, millions of dollars, vision and careful planning were all key elements in accomplishing this major initiative and important project. Hear a panel of Duke professionals discuss the challenges and rewards of this energy conversion. The panel will cover:

- Driving Forces Behind a Coal Free Duke
  - the drivers and business model to make the case
  - how the conversion fits in with the university's sustainability efforts
- Technical, Design & Construction Challenges
  - history, planning and process for the conversion
  - blending new technology with old facilities
  - demolitions, reconstructions & reconfigurations
- Renovating & Converting the Duke's Utilities Organization
  - how they accomplished this with no lay-offs, restructuring
  - training & managing change/transition
- Results and Lessons Learned

Keywords: Energy, Sustainability, Plant Management

### **How to Choose a Project Delivery Method**

A look at the different ways a construction project can be delivered to the owner. Academic facility professionals and administrators must make important decisions regarding the method by which a building, a facility or a set of buildings are designed and constructed—the project delivery method. Budgets, design, expertise, risk, schedule and other factors come into play when deciding which delivery method to choose. This session will also include a case study on the Integrated Project Delivery (IPD) method examining two Duke building projects: the Nasher Museum of Art @ Duke and the Coach K Center for Athletic Excellence.

Keywords: Project Delivery, Campus Planning, Construction Projects

### **Building Information Modeling – 2 Parts**

1 - Building Information Modeling (BIM) has emerged as **the** new technology in the building industry. Architects, contractors, designers, planners, subcontractors and others are increasingly using BIM because it provides accurate, timely, relevant and centralized information giving all building stakeholders access to the same data and information, greatly improving communication, collaboration and problem-solving, proving its value in building design and construction.

2 - BIM for the FM includes opportunities to enhance the management and maintenance during the entire building lifecycle in Space Management, Energy Efficiency, Preventive Maintenance, Retrofits and Renovations and Lifecycle Management.



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Keywords: Facility Management, BIM, Building Lifecycle

### **Duke Medical Center Campus & Building Tours - 3 parts**

1 – A review of the Duke Medicine 2006 Framework Plan and implementation of the plan with overview of recent projects.

2 – Infrastructure and operational planning were of great importance in the new Duke Medicine Cancer Center and Duke Medicine Pavilion program planning. Hear what administrators and planners were thinking and discussing on this major expansion in Duke Medicine and their objectives achieved.

3 - Duke Cancer Center, Duke Medicine Pavilion & School of Medicine Learning Center new facilities – nearly 1 million square feet of ambulatory space, in-patient space and educational space. This session will orient you to the new facilities in preparation for a special behind-the-scenes tour.

Keywords: Campus Planning, Medical Center, Construction Projects

### **The Road to and from Durban, South Africa**

This special session is a presentation given by Duke University students and master's degree environmental management candidates in the Nicholas School of the Environment on their experience working with the Climate Change Summit December 2011 in Durban, South Africa. The students will share their experience and contributions to the United Nations Framework Convention on Climate Change (UNFCCC). They will reveal the challenges, issues and rewards around this kind of global effort, as well as their unique opportunities to help on the issues they are passionate about on the world stage. This special student-led session is unique and not to be missed.

Keywords: Climate Change, Environmental Management, Students

### **LEED beyond Building Occupancy**

This session will focus on building performance of LEED projects. The speaker is currently leading Triangle United States Green Building Council's Building Performance Program, which has collected 23 LEED projects' energy and water performance data after their occupancy and certification. The summary report to be submitted for publication in April 2012 will be followed by a 2nd phase teaming up with NCSU. A preliminary look of the report will be presented. In addition, the presenter will present common items that facility managers and planners need to know to achieve high performing buildings.

Keywords: LEED, Energy Performance, Sustainability



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### *Speaker Bios*

**Tavey McDaniel Capps** – Tavey is the Environmental Sustainability Director for Duke University in Durham, NC. Mrs. Capps spearheads the Sustainable Duke program, part of the Office of the Executive Vice President, and works to 1) Assist in defining sustainability goals, strategies and performance metrics for long range campus planning; 2) Encourage and facilitate sustainability projects on campus initiated by students, faculty and staff; 3) Serve as the clearinghouse for sustainability programs at Duke – providing information and resources to campus community and beyond; 4) Ensure that Duke meets its goal of examining the actual and potential environmental impacts associated with campus activities and services in order to continually improve environmental performance. Mrs. Capps has thirteen years of experience in the environmental field with eleven of those years focused on leading sustainability efforts in higher education. Prior to joining Duke's sustainability program in 2006, she worked for NC State University and UNC-Greensboro on their sustainability and waste reduction efforts. Education: UNC-Chapel Hill, BA Environmental Policy Analysis.

**Greg Carnathan** - Greg is a professional engineer and partner with RMF Engineering, in Raleigh, NC. He leads a team of engineers and designers that perform utility master planning and design for central energy plants. Greg has 12 years of experience with specialization in project management and energy analysis for university infrastructure projects.

**Casey Collins** - Casey is an Energy Engineer for Duke Facilities Management. He works campus-wide to pursue energy management strategies that will help Duke meet its Climate Action Plan goals. Casey has spent the previous six years as consultant and operator for higher education and industrial clients. He is a registered Professional Engineer and Certified Energy Manager.

**Jim Gaston** - Jim is the director of the Duke Smart Home Program which includes the Home Depot Smart Home – the world's first LEED Platinum live-in laboratory. As the director of this unique student organization, he combines his experience in engineering, marketing, and project management. Mr. Gaston holds a Mechanical Engineering degree from NC State University and Masters in Project Management degree from Western Carolina University. The Duke Smart Home Program received the Excellence in Education award by the U.S. Green Building Council and has been inducted into the International Green Hall of Fame.

**Valerie Gillispie** - Valerie has been University Archivist at Duke since 2011, where she works with the campus community to preserve and share Duke history. Prior to that, she was Assistant University Archivist at Wesleyan University in Middletown, Connecticut. Valerie has master's degrees from the University of North Carolina at Chapel Hill and North Carolina State University.

**John Janzen**, LEED AP – John is an AEC Technical Specialist focused on Building Information Modeling and Data Management as it pertains to Operations and Maintenance. Previous to joining Autodesk in 2008, John worked for 15 years as an Autodesk Consultant where he specialized in the implementation and development of custom Architectural and Building Management Solutions focusing on BIM. With a background in Technical Architecture, John has worked with many large architectural and construction firms across North America developing best practices in computerized architecture and data/document management. John has been a regular contributor and speaker to Autodesk University since 1997.

**Todd Joyce** - Todd is the Operations Director for KBR Building Group on the Duke Program. He has more than 19 years of construction experience focusing primarily on the healthcare industry. He has put in place over \$850 million of healthcare facilities primarily in the southeast region with projects including the



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Centennial Medical Center, Nashville TN; Carolinas Hospital System, Florence SC; Wake Forest Baptist Medical Center - Brenner Children's Hospital; NASCAR Hall of Fame, Charlotte NC. Todd has a Bachelor of Architecture Degree from Virginia Tech.

**Bae-Won Koh**, AIA, USGBC LEED Faculty, LEED BD+C - Bae-Won started in the profession in 1993 and has experience in institutional, commercial and multi-family projects. He currently directs design projects and manages several large green projects at Innovative Design. He has spoken at numerous conferences teaching green building design and energy & water issues. Mr. Koh is an expert in LEED and a LEED Faculty of U.S. Green Building Council (USGBC). He was the Chair of the North Carolina Triangle Chapter of USGBC in 2010 and has been serving as a director of the board for the chapter since 2006. He was a representative of the chapter to the Southeast Regional Council of USGBC. He contributed to the Regional Priority Task Force for LEED 2009 and LEED 2012. He is a lifetime member and a board member of Korea Green Building Council. He is also a member of American Solar Energy Society and North Carolina Sustainable Energy Association. Mr. Koh holds a Master of Architecture degree from Rensselaer Polytechnic Institute, Troy, New York, and a Bachelor of Architectural Engineering degree from Hanyang University, Seoul, Korea.

**Paul O. Manning** - Paul is the Director of Project Management for Duke University, responsible for managing the design and construction of Duke University's capital projects. Prior to coming to Duke in 2004, he was responsible for managing multimillion-dollar construction companies and construction projects in a variety of market sectors and project delivery systems in Chicago, New York City and New Jersey. With 35 years of experience in the design/construction field, his responsibilities have included managing the design, procurement and construction phases of major projects that have helped shape the skylines and streetscapes of Manhattan and Chicago. Paul received his Bachelor of Science in Architecture in 1977 from the University of Illinois, Champaign-Urbana. Paul and his wife Karen live in Durham; have 4 children and 14 grandchildren.

**John J. Noonan**, Vice President for Facilities – John has been at Duke since June 2005. He was formerly with Brown University in Providence, Rhode Island for 13 years, most recently serving as Vice President for Facilities. Prior to his position at Brown, John held positions in consulting engineering and project management firms as well as in real estate development. He has worked in California, New York, Connecticut, and Massachusetts. His responsibilities at Duke University include the oversight of the campus buildings and grounds including a workforce of approximately 500 staff. Major functional areas include Building Maintenance, Planning, Capital Projects, Engineering, Utilities, Energy, Grounds, Sanitation & Recycling, Housekeeping, Labor Relations, and Administration. Mr. Noonan holds a Bachelors of Science Degree in Civil Engineering from Worcester Polytechnic Institute, a Master's Degree in Business Administration from Columbia University and is a Professional Engineer.

**Steven C. Palumbo**, PE, CEM – Steve began as Energy Manager at Duke University in November 2007. His responsibilities include planning, implementing, operating, and monitoring the University's Energy Management Program. His department sets goals and strategies to save water and energy, purchases fuels, and allocates energy use and costs to buildings. Steve was a key contributor in the creation of Duke's Climate Action Plan. Prior to his position at Duke, Steve held positions with Siemens Industries in Morrisville, NC. While at Siemens, Steve worked in both the energy and control areas of the business. During this period, he was heavily involved in the development of the control and metering of the Central Chilled Water system on Duke's campus. Before working at Siemens, Steve held positions in consulting engineering firms in Albany and Syracuse New York. Mr. Palumbo holds a Bachelors of Science Degree in Mechanical Engineering from the University of Notre Dame. He is a registered professional engineer in the State of North Carolina and a Certified Energy Manager by the Association of Energy Engineers.



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**John Pearce**, FAIA – John retired January 1<sup>st</sup>, 2011 as the University Architect for Duke University in Durham, North Carolina. Since then he has served as Duke’s advising architect on various current design and planning issues. During his 20 years at Duke, the design of all capital projects has been developed with his guidance and oversight. Pearce was also responsible for the Duke University Master Plan – 2000, and the subsequent updates ever two years. His responsibilities also included representing Duke University internally and externally on planning and architectural issues as well as developing an overall strategic design framework for the University and the Duke University Health System. John Pearce reported directly to the Executive Vice President for Finance & Administration, one of Duke’s four senior officers. In June 2011, Pearce discontinued his role as an *ex-officio* member of the Duke Board of Trustees Committee on Facilities & Environment which he had managed since joining the University in 1992.

Since 1995, Duke University, a campus of 2000 acres has completed well over a billion dollars of new buildings as well as millions of dollars in renovations and utility infrastructure improvements. Pearce’s work has included a rezoning of the entire campus from residential (requiring a special use permit for every project) to a University/College (U/C) zone. Since 2000, although informally initiated earlier through the 1993 *DESIGN GUIDELINES*, Duke University has incorporated sustainability into design and construction principles. The University now has over 30 LEED™ registered projects. Beginning 2002, John Pearce has been engaged in the master plan for the design of a New Campus of over a million square feet to be incorporated into the center of Duke’s existing 2000 acre campus in Durham, NC. He continues to consult with the University on this long term initiative as an advising architect. John Pearce is a member of the Association of University Architects (AUA) and the American Institute of Architects (AIA). In 2005 Pearce was elevated to Fellowship status in the AIA - the highest honor the AIA has for the contribution by an architect to the profession.

**Fred Perpall**, AIA, LEED AP - As the Managing Director for the Eastern Division of The Beck Group Fred’s responsibilities include oversight of all aspects of Beck’s Eastern United States, Design and Construction Practice. He is a registered professional architect, and has over sixteen years of experience in design, management, and business development. Fred is an industry leader in integration including bridging, design/build, and integrated enterprise innovation. He has designed a wide variety of projects and is the recipient of an AIA medal of honor for design. Fred believes “good design is the result of a truly collaborative effort between owner, architect and builder.”

Consistent with the values of Beck, Fred is also committed to giving back to his community. He is active in numerous professional, technical, civic, philanthropic, and community organizations. His desire to stay engaged and volunteer his time, talent and treasures within these various areas is inspirational to those who know and work with Fred. Fred currently serves on the Board of Councilors for President Jimmy Carter’s Carter Center, the Executive Committee of the Urban Land Institute, and is a Fellow for the Baker Institute at Rice University. He is a Board Member for the American Institute of Architects, Atlanta Center for Creative Inquiry, Naismith Atlanta Tipoff Club, Princess Margaret Hospital Foundation, Urban Plan and Metro Atlanta Chamber. Fred received a bachelor’s degree in Environmental Design and master’s degree in Architecture from the University of Texas at Arlington. He also holds two certificates in Design and Communication Strategy from the Graduate School of Design at Harvard and most recently a Finance Certificate from the Harvard Business School.

**Jacquelyn Podger** - Jackie joined Duke HR/Learning and Organization Development as a Practice Partner in July of 2002 and was promoted to Senior Practice Partner in September of 2002. Jackie designed curricula and facilitated open enrollment workshops for staff; management/leadership development and work skills development. Jackie has also facilitated over fifty Managing at Duke programs and led many consulting engagements. In 2011, Jackie became the first Physician Integration Coordinator for DUMC. Jackie began her teaching and counseling career in the secondary school system in Rantoul, Illinois. As Director of



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Speech and Theatre, she directed all theatre productions as well as the speech interpretation competitions and debate teams. Jackie joined the behavioral science faculty of the University of Illinois College of Medicine at Peoria Family Practice Residency and worked with resident physicians and the hospital staff of the Methodist Medical Center. Jackie was also a faculty member of the Wellness Health Institute. Recruited by the University of North Carolina School of Dentistry, Jackie developed its first recruitment program as a part of her faculty. She subsequently worked for several physician recruitment firms in the Triangle. In 1990, Jackie joined her “flying family” and began her training career in the airline industry, eventually becoming Director of Customer Service Training for Midway Airlines. Originally from Illinois, Jackie earned her bachelor’s degree from Eastern Illinois University and master’s degree from Bradley University (Counseling Psychology and Personnel Services). Jackie is a certified mediator for Duke Hospital and for the North Carolina Superior Court and recently received her Green Belt in Lean Six Sigma.

**Ken Powell** - Ken is Vice President for Facilities and Support Services at Duke University Hospital. In this role he has oversight and liaison responsibilities for facilities management, including hospital and clinics space management, renovation/construction, engineering and operations, hospital security, and parking. Direct administrative supervision responsibilities include logistics and material management (the hospital supply chain), environmental services, food and nutrition services, and clinical equipment distribution. Ken started his career with Duke at Durham Regional Hospital in 1978 and has served in various capacities including Director of Respiratory Care, Director of Special Medical Ancillary Services, Senior Administrative Director for Outreach Services, and Associate Operating Officer for Facilities Management and Support Services. At Durham Regional he oversaw major renovation efforts that included a completely new intensive care unit, cardiac catheterization labs, new MRIs, a long term acute care hospital wing, adult rehabilitation wing and major additions to in-house and ambulatory surgery centers. At Duke he serves on the hospital senior administrative team, is actively involved in managing hospital operations, and helps plan major and minor renovation and construction projects. Ken holds bachelor and master’s degrees in public administration as well as a degree in Respiratory Therapy.

**Michael Schley** – Michael is the CEO and Founder of FM:Systems, a leading developer of facility management software. Michael is recognized for his expertise in FM technology and has spoken at numerous conferences throughout the world including EuroFM, World Workplace Asia, and FMA conferences in Australia. In 2008 he was named an IFMA Fellow, one of only 89 individuals so honored. He is a guest lecturer at Cornell University teaching a course on BIM and FM, serves on the IFMA Foundation Board of Trustees, chairs the IFMA Foundation Knowledge Management Committee, and serves on the IFMA BIM task force. Michael has a Master of Architecture degree from North Carolina State University and a Bachelor of Arts degree from Case Western Reserve University.

**Scott Selig** – Scott is the Associate Vice President of Capital Assets and Real Estate at Duke University. Scott’s professional career includes over 25 years experience in many facets of the commercial real estate industry. Scott was born in a small town in Arkansas but spent much of his young adult life in Seattle. He graduated Phi Beta Kappa from the University of Washington. He earned his MBA from Duke University in 1992. Scott is charged with developing the overall real estate strategy for space leased by Duke University and the Duke University Health System, the asset management of the Washington Duke Inn, and the acquisition and disposition of lands in the Duke Forest. The portfolio managed by the Real Estate office contains more than 220 leases covering approximately 2.5 Million square feet of office, medical clinic, laboratory and warehouse space. The Duke Forest is comprised of approximately 7,000 acres in the Research Triangle. Scott moved to Durham from Hot Springs, Arkansas where he was the sole owner of a full-service real estate brokerage and development company. Scott has been married to his wife, Kris, for 21 years and has four children ranging in age from 15-22 years old.



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**Chris Silcott** - Chris is a mechanical project engineer with RMF Engineering, in Raleigh, NC. He graduated with a Bachelor's degree in Mechanical Engineering from North Carolina State University in 2002 and has ten years experience in the design and engineering of numerous chilled water, steam, and hot water generating facilities across the country. Chris specializes in industrial boiler and boiler controls projects in the University and Hospital sectors.

**Shawn Subasic** - Shawn is the Director of Facility Planning, Design and Construction (FPDC) Office for Duke Medicine. In this role, he leads a diverse team which provides program management from design through construction and closeout for all capital improvement projects for Duke Medicine. FPDC represents Duke's financial and operational interest and minimizes disruptions to ongoing clinical, education and research while implementing new capital projects. FPDC enforces Duke standards and ensures compliance with local building codes and state regulatory requirements for all Duke Medicine facilities: Duke Hospital, Duke School of Medicine, Duke School of Nursing, Duke Raleigh Hospital, Durham Regional Hospital and Duke Ambulatory Clinics. Shawn is a graduate of the Pennsylvania State University, (BAE 1989) Architectural Engineering program.

**Russell Thompson** - Russell is the Director of Utilities & Engineering in the Duke's Facilities Management Department. His team is responsible for providing utility services to all of the buildings on the Durham campus including their Medical Center as well as Engineering & Energy Management services to the University. Prior to Duke, Russell enjoyed a 20 year career at Texas Instruments in Dallas serving as a facilities electrical engineer, project manager, and as the Central Utilities Manager for their Dallas campus.

**Tallman Trask III** - Tallman is the chief administrative and financial officer for Duke University. He also serves as Treasurer. He was appointed Executive Vice President in August of 1995. Prior to that, he served for 8 years as Executive Vice President at the University of Washington, and before that he was Vice Chancellor for Academic Administration at UCLA. Dr. Trask is also an Adjunct Professor of the Practice of Education. He received an AB in History from Occidental College, an MBA from Northwestern, and a PhD from UCLA. In 2002 he was elected an honorary member of the American Institute of Architects (AIA). As Executive Vice President and Treasurer, Dr. Trask is responsible for the budget, financial affairs, procurement, debt, campus planning, architecture, maintenance and construction, real estate, human resources, academic and administrative computing, audit, safety and security, and auxiliary services (including dining, stores, parking and transportation). He is an ex-officio member of the Trustees' Committees on Business and Finance, Facilities and Environment, Human Resources, and Audit. He also serves on the Duke University Management Company Board of Directors, and holds a faculty appointment as adjunct professor in the Program in Education.

**Tatjana Vujic** - Tatjana is the Director of the Duke University Carbon Offsets Initiative. The Initiative works on behalf of the University to develop high quality greenhouse gas emission reduction projects to offset the portion of Duke's emissions that cannot be reduced through on-campus emission reductions. The Initiative seeks to build local, state and regional projects that yield significant environmental, societal, and economic co-benefits and to catalyze and facilitate high integrity carbon offset projects. The Initiative's first project involves the installation of a waste-to-energy system on a full-scale swine farm. The system meets North Carolina's stringent environmental performance standards while meeting the Climate Action Reserve's Livestock Methane Protocol. Vujic is an attorney by training. Before moving to North Carolina in 2005, she spent eight years practicing law in Washington, D.C., in the private, non-profit, and public sectors, including the U.S. EPA's air enforcement office. Her expertise lies in cultivating innovative policy and financing techniques to encourage conservation and pollution reduction practices. Prior to joining Duke



## Spring Conference 2012 at Duke University

University's sustainability program, Vujic served as an attorney in the North Carolina office of the Environmental Defense Fund (EDF) where she focused on Farm Bill conservation programs and improving the North Carolina swine industry's waste management practices. While at EDF, Vujic was a key coordinator of EDF's efforts to pass the 2007 North Carolina Swine Farm Environmental Performance Standards Act. Vujic is a graduate of The George Washington University Law School and received a joint undergraduate degree in Geology and Geophysics and Studies in the Environment from Yale University.

**Greg Warwick** - Greg has been the Medical Center Architect at Duke for the past eleven years during which time he has directed the architectural design of fourteen buildings including the School of Nursing's Pearson Building, research buildings and the recently opened Duke Medicine Cancer Center. In 2006, he led a campus design effort which produced the 2006 Master Framework Plan. A member of the American Institute of Architects, he received his master's degree in Architecture from Rice University and came to Duke after fifteen years in New York where he specialized in campus master planning and campus building design for a variety of institutions and corporations across the country.

**Floyd Williams** - Floyd is a project manager with the Office of Project Management at Duke University. He manages the design and construction phases of capital projects. Floyd has a Bachelor's Degree in Civil Engineering and is a registered Professional Engineer. He has 30+ years of experience in the design and construction industry where he has worked as a construction engineer or project manager in various types of projects that include nuclear power, the Middle East, hospitals, public schools, and university projects.





## Spring Conference 2012 at Duke University

# *The Inaugural Stephen Strickland Showers Memorial Scholarship Golf Tournament at the Duke University Golf Club*

***Tuesday, April 24, 2012***

A hearty thank you to the fifteen registered golfers and sponsors who participated. The event is estimated to bring in over \$3000 in sponsorship funds.

### **About the Stephen Strickland Showers Memorial Scholarship**

The scholarship is named to honor Stephen S. Showers, Associate Vice President for Facilities Management (Retired), Towson University, Maryland; a graduate of Penn State University and Colorado State University; and a longstanding member of the International Facility Management Association (IFMA). Steve was a founding member of the Academic Facilities Council (AFC), and passed away on February 21, 2010. He was an avid golfer and enjoyed history and trains. Steve dedicated his career to university administration and was very committed to the AFC. He was the AFC President in 2008-09 and remained active as a Past President. Because of his many contributions to the AFC, the Council has honored Steve by naming their IFMA Foundation Scholarship as the Stephen Strickland Showers Memorial Scholarship.

The scholarship is designed to assist with the educational pursuits of promising students on their way to becoming Facility Management Professionals. The first recipient of the Stephen Strickland Showers Memorial Scholarship on October 27, 2011, was Clarissa Judkins from Provo, Utah, then studying Facility and Property Management at Brigham Young University.

The Inaugural Stephen Strickland Showers Memorial Scholarship Golf Tournament itinerary:

7:15 - 8:15 Networking Sponsor and Player Grab and Go Breakfast at 19<sup>th</sup> Hole Grill

8:30 - 12:30 SSS Memorial Golf Tournament First Foursome tees off at 8:30 am with others following

12:30 - 2:00 Networking Sponsor and Player Grab and Go Lunch at 19<sup>th</sup> Hole Grill

2:30 - 5:00 North Carolina Museum of Art, Raleigh, NC (optional)

7:00 - 9:00 AFC President's Invitational Dinner - Durham's American Tobacco Historic District



## Spring Conference 2012 at Duke University

### *Become a Member*

#### **Join the IFMA Community, the Academic Facilities Council and the Triangle Chapter of IFMA**

IFMA membership gives you the industry information, professional interaction and essential resources necessary to remain competitive. IFMA represents the most connected community of facility managers in the industry, and our community grows stronger each year.

As a member of IFMA, you have access to benefits, contacts, resources and opportunities, all geared toward strengthening your knowledge, skills and confidence. IFMA is dedicated to supporting you throughout your career. The entire Association—from Headquarters to individual members—is ready to help you grow, both personally and professionally.

#### **IFMA members have access to resources that help them solve job-related problems.**

- A useful network of professional contacts;
- Join an IFMA Council and participate in online communities to receive immediate answers to FM questions;
- Access to the *FMJ*, Membership Directory, FM publications, educational sessions, product and service providers;
- Attend local chapter meetings and discuss work challenges with colleagues, many of whom have faced similar problems and may be able to offer guidance and insight;
- Attend IFMA's World Workplace Conference & Expo—international gatherings of industry professionals seeking education, information and interaction;
- Attend an IFMA Professional Development seminar, increasing your knowledge and skills as a competent practitioner;
- Acquire a professional credential and a springboard for obtaining certification through the Facility Management Professional (FMP®) program, a knowledge-based credential demonstrating a proven comprehension of the basics of facility management;
- Acquire professional certification through IFMA's Certified Facility Manager® (CFM®) program, a measure of proficiency for competent facility managers and an industry standard.

[www.ifma.org/membership](http://www.ifma.org/membership)

[www.ifma-afc.org](http://www.ifma-afc.org)

[www.ifmatriangle.org](http://www.ifmatriangle.org)



## **IFMA**

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**April 25, 2012**

**Dear Colleagues:**

**Welcome to Duke University!**

On behalf of the Academic Facilities Council of IFMA, I welcome you to the 2012 Spring Conference.

For over 20 years the AFC has built a strong organization of academic facility professionals and business partners to learn from each other, teach each other and move our profession forward. This year the spring program is outstanding. There are many options for educational programs that each of you can choose from - the AFC is thrilled that you have chosen this event.

Throughout the upcoming days you will hear from selected presenters that will help guide you in your daily decisions as you plan, design, build, operate and manage. I hope you leave this event with many questions answered, elevated passion for what you do and a list of new networking partners to continue on-going relationships into the future.

When you're seeking information, please remember to utilize the resource section of the AFC webpage, [www.ifma-afc.org](http://www.ifma-afc.org) where numerous presentations are available to help assist you in your quest for knowledge. It is through events like this, in combination with AFC newsletters, website, the Academic Facilities Council Online Community, World Workplace and other tools, that we are able to network, learn best practices, establish benchmarks and develop professionally.

What makes us unique in the Facility Management world is our commitment to our students, the faculty and teachers who educate them and the staff who support them in our roles at colleges, universities, community colleges and K-12 schools. We are proud of what we do and fortunate that we can make a difference.

To all those at and near Duke University who have helped make the AFC Spring Conference 2012 a success, the International Facility Management Association and the Academic Facilities Council Executive Board and Committee Chairs thank you very much for your support, contribution and dedication. Job well done!

Best,

**John Shenette, AFC President**



## **IFMA**

### **Academic Facilities Council**

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**April 25, 2012**

### **Dear Colleagues:**

I'm very grateful for all of the help and support I've received in planning the AFC Spring Conference 2012 at Duke University. I've asked many people to do many things, and everyone stepped up to help. It makes me very proud to be a part of Duke and a member of the Facility Management community.

First, I want to thank all the speakers, tour guides, panelists and presenters. We could not have done this without your time, expertise, commitment and presence. Thank you to all at Duke for the use and support of your facilities, spaces and staff.

There were also a number of people behind the scenes I'd also like to thank. Without you, this conference could not have happened. Among this list is the following: Amelia Howle, Andrew Buchanan, Sarah Burdick, Kim Sousa, Michael Sears, Cris Karasek, Marshall Bain, Julie Trask, Scott Plueddemann, Todd Joyce, Gary Bennett, Kathleen Wright, Mike Monce, Tom Hruby, Jeff Tyburski, Lorana Price, Craig Youst, John Noonan, Tallman Trask, Janet Rosenthal, Kay Jackson, Marcia Julien, Jeff Gustafson, John DeMartino, Ryan Cakerice, Ramon Sotelo, Carla Nichols, Raymond Brisson, Faith Burns, Joseph Fedrowitz.

I'd like to thank the AFC business partners, caterers and other businesses and firms who participated in the conference. I'd also like to thank the AFC Board and the Triangle Chapter of IFMA for their support.

All of you went above and beyond and wanted to help make this a success for the Academic Facilities Council and for Duke University.

And for me personally, this experience has been one of growth, challenge, opportunity and development. I am grateful to all of you for that.

On behalf of the Academic Facilities Council of IFMA and the AFC Spring Conference 2012 at Duke University, thank you all very much.

Well done!

Sincerely,

Mitchell Vann  
AFC Spring Conference Chair 2012



## IFMA

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April 25, 2012

### Colleagues:

As you enjoy the AFC Spring Conference 2012 at Duke University, I'd like to invite you to the AFC's **Fall Conference** at my campus, **The University of Texas at San Antonio** ([www.UTSA.edu](http://www.UTSA.edu)) on **Tuesday, October 30, 2012**.

Preliminary agenda includes:

- UTSA Campus Master Plan
- Athletics Director presentation on our new athletics campus
- Campus tour

I'm working on an optional tour to Trinity University on the afternoon of Monday, October 29 for those of you arriving early.

Please visit my Chapter's Facebook page and "Like" us for information on **World Workplace 2012**. Look at our video to see what to see and do, and where you can get the best margarita in San Antonio.

Looking forward to seeing you this fall!

*Fred Weiss, CFM, IFMA Fellow  
Director, Facilities Business Operations  
The University of Texas at San Antonio*



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