SRAPPA 2009 ANNUAL CONFERENCE - - October 24 - 27, 2009

"RACE TO GREEN"

(Tentative Agenda - Subject to Change)

	Track 1	Track 2	Track 3
Session #1, Sunday, October 25th, 10:30 - 11:25 am	***Going Green While Staying Out of the Red: Tradeoffs and Payoffs*, Mary Kate Toomey and Greg Hughel, Facility Engineering Assoc.** Consider all the building issues you face on a daily basis. In this day it is important to consider not only the environmental and energy implications of the solutions, but especially the economic consequences. It IS possible to get the best of all worlds. We will discuss practical solutions related to facility projects and overall energy use, effects on capital and maintenance budgets, and how they can play a role in engaging the entire campus.	***Leveraging Photographic Documentation* - Reef Tanagho, Multivista Southeast.** This presentation will detail a photographic documentation process that includes taking high-resolution, digital photography of every square foot of a construction project. These photos are taken at specific time intervals and at all critical stages of construction (i.e. exact-built Mechanical/Electrical/ Plumbing photos post inspection, just prior to close-in.) All photos are then linked to the project's floor plans so that each photo has a point of reference. These project photos can then be accessed 24/7 through a password protected website, from anywhere internet access is available.	***Water Conservation Makes Sense at North Carolina State* - Allen Boyette and David Hatch, North Carolina State Univ.** To meet the environmental challenges caused by the 2007-08 drought, NC State committed to water conservation actions exceeding those required by local government. Several conceptual projects/ideas were generated and models were developed to estimate the amount of water that could be conserved. Life-cycle costs, as well as "Campus Awareness efforts", were analyzed to prioritize projects. As a result, ten projects were initiated and completed in a five-month period and resulted in 10 million gallons of water saved per year w/a 5 year payback.
Session #2, Sunday, October 25th, 11:30 - 12:25 pm	***Smart Green for Envelope Systems* - James Saizan and Tony Robinson, Gale Assoc., Inc.** Since being sustainable entails energy efficiency and environmentally-sensitive design, building envelope systems play a major role in how well buildings can achieve sustainability goals. We will review sustainability principles, and how they are best incorporated in envelope systems. We'll also discuss the decision-making process in accumulating "LEED" points, and the trade-offs, which are often necessary.	***Greening Your Restoration Project* - *Mark Leeman*, Facility Engineering Assoc**. You may be implementing sustainable practices on your campus, but are you infusing sustainability into your repair and renovation projects? We will discuss the top ways to GREEN your repair projects, including looking at recycling waste materials, purchasing green material, and best practices relating to indoor air quality and occupant comfort during construction. Examples will include roof replacements to show how it can be done within a realistic timeframe and budget.	***Coloring Outside the Lines* - *Turning Obstacles into Opportunities*, Susan Rannie, Embry-Riddle Aeronautical Univ.** Exploring challenges ERAU has encountered and how the Grounds Team creatively sought solutions. Several hurdles faced were: new construction and $60K worth of landscaping scheduled for demolition; new reclaimed waterlines being installed and running into solid rock, and reviewing processes to determine how NOT to spend 43% of staff's time pulling weeds! These and other situations will be discussed and you'll learn how we overcame these challenges. This session will also encourage participants to bring their own creative success stories to share with others.

Session #3, Monday, October 26th, 1:00 - 1:55 pm	***Successful Low Cost Energy Efficiency and Cost Control Strategies*- Phil Tornelli, Florida Power & Light.** This presentation provides an example of a successful energy management effort spanning more than 10 years between the Volusia County School System and FP&L. Opportunities were identified and addressed in three focus areas: 1-Control and equipment improvements in new schools and in retrofits, 2-Advanced metering with operating changes, and 3-Behavioral alterations and motivations to encourage users to take an active role in savings programs. Its processes and conclusions are applicable to the SRAPPA organization and can be used to develop or expand their current energy management efforts.	***Save Money by Going Green with LID and Natural Storm Drainage Solutions* John Thomas, Sustainable Design Consultants, Inc.** Water Resource protection has become a high priority for campuses across the nation and particularly important in the southeast. Although retrofitting is often done, Sustainable site design, Low Impact Development, Natural Storm Drainage design and Water Quality enhancement measures cannot be as economically and successfully applied as an afterthought, but instead must be an integral part of the original planning process for any site.	***Developing a Management Plant for UNF's Natural Areas* - Charles Hubbuch, University of North Florida.** UNF is focusing on the literal meaning of "Green" by maintaining the natural areas on their campus, including setting aside the Sawmill Slough Preserve, identifying and mapping ecosystems, inventorying plant species, making plans for prescribed burns and making efforts to balance recreation with research needs. Learn more about this exciting program by attending this presentation.
Session #4, Monday, October 26th, 2:00 - 2:55 pm	***ERAU's Growth to a Sustainably Designed Green Campus* - Kenneth Bullock and Dave Pandoli, Woolpert Assoc.** This presentation chronicles the path that Embry-Riddle has taken from its inception in 1926 to the establishment of the current campus in Daytona Beach over the last 83 years. Many changes have occurred at the Daytona Beach Campus, and Woolpert has been an integral part of the growth through the master planning and project implementation of the campus for more than 25 years!	***Getting Green with BIM* - James Watson, MACTEC Engineering & Consulting, Inc.** This presentation includes a case study describing how to develop an effective business case for the "Greening" of existing buildings through the application of Building Information Modeling integrated with Asset Management Software. This innovative method can slash operating/maintenance costs with providing valuable metrics for future planning.	***Performance Contracting - An Owner's Perspective* - John Melrose, Medical University of South Carolina.** If you are considering Performance Contracting and have not done one before, you may want to attend this "lessons learned" discussion. At the 2009 SRAPPA Conference, we learned about Performance Contracting from the Energy Service Company's perspective and the energy consultant's perspective. This presentation will be from the OWNER'S PERSPECTIVE, and will cover key aspects of this project delivery method from planning to implementation.

Session #5, Monday, October 26th, 3:10 -4:05 pm	***Sustainability - Turning Green into GOLD - ROUND TABLE*** **- Valerie Patterson and Stan McDougall, ICC Thermal Mapping and Surveying.** It's ALL About the Money! Sustainability of Roofs/Building Envelopes: extend roof life, avoid premature roof replacements, save energy and avoid indoor air quality problems with new technology. This round table panel will include: Thomas Shewan, P.E., Director at Florida State University, Mathew Taylor, Director, University of North Florida and Frank Ballentine, Assistant Director, University of Central Florida to answer questions and discuss these topics further.	***Analyzing CMMS Effectiveness -*** **ROUND TABLE DISCUSSION - John Malmrose, MUSC.** Did we know what we wanted when we selected our Computerized Maintenance Management Systems? Did we get everything we paid for? Are we using what we have? Most maintenance organizations are using only 40% of the system they purchased. How do we analyze where we are - and where we should be? Join this spirited round table discussion as we analyze the mine-field known as CMMS.	***Facilities Performance, Certification and APPA's Body of Knowledge - ROUND TABLE*** **- Steve Glazner, APPA Director of Knowledge Management and Lander Medlin, APPA Exec. VP and Polly Pinney, President of APPA.** Join these round table hosts as they provide a brief update on APPA's Facility Performance Indicators Survey & Report, APPA's certification and credentialing program, the forthcoming digital Body Of Knowledge project, the Facilities Management Evaluation Program and the Center for Facilities Research.
Session #6, Tuesday, October 27th, 8:30 - 9:25 am	***Greening Your Campus Resources on a Meager Budget*** **- Lee Richey, Creative Facilities Solutions.** According to recent newspaper statements, almost 1/2 of all utilities used in this country are wasted. If that statement is true, what percentage of our Facilities Division human resources are "wasted" due to improper organization, mis-matched or out-of-date business processes? Presenter will review issues within Facilities areas of responsibility where there is a possibility of improving efficiencies and actually increasing quality of service delivery under constrained budgets.	***Reaching Beyond "Neutral" to Carbon NEGATIVE*** **- Bill Gregory, Milliken Carpets.** Reducing your impact on the Earth requires a commitment to holistic principles. Carbon Impacts are discussed in relation to emissions and energy use; product design and life cycle; green certifications and product selection. Life Cycle Assessment; and manufacturing practices. Bill Gregory presents a framework to evaluate green building products and manufacturers using real-life examples.	***Real Green*** **- David Miller, PE, LEED AP, TLC Engineering.** Recent volatility in energy prices, a rising demand for corporate responsibility, and increased concerns regarding carbon emissions have brought renewed focus on improving the performance of existing facilities and their engineered systems. Using experience gained in providing new sustainable buildings for clients, we discuss practical and affordable approaches to improve the performance of existing buildings through improved energy performance with state-of-the art control sequences without the expense of new controls by reprogramming existing systems.

Session #7, Tuesday, October 27th, 9:30-10:25 am	***Sustaining Leadership Through Difficult Times*** **-James Barbush, Penna. State System of Higher Education.** Leaders should be operating on the front edge of an organization. What does a leader do when finding themselves out on a ledge without support, yet knowing that the concept they are projecting is the right path? What does a leader do when they or their staff are "disengaged" - no longer performing to ability nor meeting the organization's goals in a timely or appropriate fashion? This discussion will identify difficulties encountered in a leadership role, discuss solutions to remedy situations encountered and inspire people to adjust, persevere and press on through difficult times.	***Real Green at Valencia*** **- Marc Craddock, Siemens Building Technologies.** Between 2004-2007, Valencia Community College saw a 40% increase in utility costs in addition to severe operating budget reductions from the state. To address these realities, the college wanted to upgrade their infrastructure through energy and cost savings measures that would support a larger vision for sustainability. In conjunction with Siemens Building Technologies, the school embarked on a wide-ranging, $13.5 million energy performance contract that will produce guaranteed savings equivalent to more than $900,000/ year. The project consisted of numerous major replacements and renovations. Attend and learn more.	***Data Center Construction - Green and Reliable!*** **- Mike Shelton and Mike Largin, University of Alabama and Julius Neudorfer, North American Access Technologies, Inc.** The Division of Financial Affairs at the University of Alabama faced serious risks and many energy inefficiencies due to our undersized, unequipped data center facility. Hear how our IT professionals, Facilities, and Construction Administration partnered with North American Access Technologies to build a secure, redundant and "green" data center in 2008. At this time, the new UA Financial Affairs data center systems are being commissioned and tested. If all goes well, a PUE (Power Usage Effectiveness) of 1.6 or less is expected.
Session #8, Tuesday, October 27th, 10:30-11:25 am	***Building Information Modeling - A Healthier Way to Design for the Future - David Spehar*****, Burt Hill.** Recent years have seen a move toward integrated practice in sustainable building design, specifically the use of building information modeling (BIM), a digital design process driven by intelligent, data-rich models. David Spehar, AIA, will discuss the benefits of this technology as it relates to green practices and designing high-performance educational facilities.	***Fast Track to Energy Performance: Retro Commissioning for Existing Buildings*** **- Gerald Bauers,Sebesta Blomberg Assoc and Scott Fote, Rogers Lovelock and Fritz.** The Retro Commissioning process is the most immediate method to manage the energy resources of large campus facilities. This presentation will present results from this collaborative, hands-on approach to building operations improvement that typically delivers energy savings of 5% to 15% based strictly on simple repairs and operation improvements that most often pay back within 1 to 3 years.	***Focus on Trees*** **- David MacManus, Florida State University**. FSU Grounds is taking measures to preserve campus trees and to plant new ones for the future. The development of the campus "tree map" is their first step in the effort to transform the grounds into an arboretum. FSU is making efforts to save trees of special value as illustrated by the successful transplanting a 40" diameter Live Oak that was sitting where a building would be constructed. Information on the location and the identity of each of the trees on campus is being taken by students with special training in GIS technology and mapping software.