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Inside APPA

LEADERSHIP IN EDUCATIONAL FACILITIES

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Welcome to *Inside APPA*, your biweekly electronic news source for regional and international APPA events, programs, publications, and industry information.

Questions? Comments? News?
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Read Inside APPA archives

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APPA Events

Add Your Own Events!
APPA's Online Calendar of Events
Focus on Educational Facilities

Feb 24, 2016
APPA Facilities Drive-In Workshop
Indianapolis, IN (Butler Univ)

Feb 26, 2016
APPA Facilities Drive-In Workshop
Hayward, CA (California State Univ - East Bay)

Mar 7, 2016
APPA Facilities Drive-In Workshop
Northridge, CA (California State Univ - Northridge)

Apr 4-5, 2016
2016 Smart and Sustainable Campuses Conference: Measuring Our Impact
Baltimore, MD

Apr 5, 2016
APPA Facilities Drive-In Workshop (spons. by McKinstry)
Colorado Springs, CO (Univ of Colorado-Colorado Springs)

Apr 12, 2016
APPA Facilities Drive-In Workshop (spons. by ONICON)

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Professional Development and Credentialing
Information and Research
Industry News

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College Park, MD (Univ of Maryland)

Apr 15, 2016
APPA Facilities Drive-In Workshop
Denver, CO (Auraria Higher Education Center)

Jul 11, 2016
Emerging Professionals (EP) Summit
Nashville, TN

Jul 11, 2016
Senior Facilities Officers (SFO) Summit
Nashville, TN

Jul 12-14, 2016
APPA/SRAPPA/TNAPPA 2016 Conference
Nashville, TN

Sep 11-15, 2016
APPA U - Institute for Facilities Management and Leadership Academy
Orlando, FL

Oct 24-27, 2016
ACUHO-I/APPA Housing Facilities Conference
Scottsdale, AZ

APPA Region & Chapter Events

Feb 15-19, 2016
APPA's Supervisor's Toolkit (spons. by SRAPPA)
Lexington, KY (Univ of Kentucky)

Feb 21-24, 2016
APPA's Supervisor's Toolkit (spons. by MAPPA)
Rochester, MI (hosted by Oakland Univ)

Feb 22-24, 2016
MiAPPA Winter Conference (Michigan chapter)
Rochester, MI (hosted by Oakland Univ)

Feb 23-27, 2016

VACUUBRAND local vacuum networks replace central lab vacuum supply lab-by-lab at a fraction of the operating costs. Deep, stable, on-demand vacuum saves space compared with dedicated pumps, and reduces equipment costs, service intervals, and plug loads. This easy-to-install technology is popular for new buildings and for summer renovations. Visit http://vacuu-lan.com/facilities/.

HEADLINE NEWS

Online Prep Course and Exam for Obtaining APPA Professional Credentialing Certification Now Features Customized Interactive Learning

Customized Interactive Learning (CIL) is now a part of the online APPA Certified Educational Facilities Professional (CEFP) Credentialing curriculum and exams. This new feature is a valuable addition to this self-paced online course, which covers the fundamentals of the educational facilities profession and features an online testing platform. CIL offers you a live and private Web event with peers and a qualified CEFP facilitator.

Upon enrolling in the CEFP Curriculum, you will be assigned to a CIL Group and facilitator and registered for live customized learning sessions held monthly for 90 days. Your CIL sessions will enable you to track your progress through the curriculum. It also introduces you to a wealth of other resources to support you toward gaining the CEFP credential. These include the CEFP version of the Body of Knowledge, CIL discussion boards, threads, live shared learning, and the ability to get answers to your unique questions from your facilitator and CIL group peers.

Learn more about this exciting new option here. Register to prep for your CEFP credential today! Questions? Contact Christina Hills at christina@appa.org or call 703-542-3844.

CAPPA Technology & Leadership Conference
San Antonio, TX

Mar 5-8, 2016
SCAPPA 2016 Conference (South Carolina chapter)
Myrtle Beach, SC

Mar 7-8, 2016
VAPPA 2016 Conference (Virginia chapter)
Harrisonburg, VA (hosted by James Madison Univ)

Mar 14-15, 2016
NNACERAPPA Spring 2016 Conference (Northern New England chapter)
Durham, NH (Univ of New Hampshire)

Apr 13-15, 2016
NJAPPA 2016 Conference (New Jersey chapter)
Galloway Township, NJ

Apr 13-15, 2016
FLAPPA 2016 Conference (Florida chapter)
Orlando, FL (hosted by Valencia College West Campus)

Apr 16-19, 2016
TAPPA 2016 Conference (Texas chapter)
College Station, TX (hosted by Texas A&M)

May 9-13, 2016
APPA's Supervisor's Toolkit (spons. by SRAPPA)
Asheville, NC (hosted by UNC Asheville)

May 18-20, 2016
NCAPPA 2016 Conference (North Carolina chapter)
Wilmington, NC (hosted by UNC Wilmington)

May 28-Jun 1, 2016
GAPPA 2016 Conference (Georgia chapter)

APPA NEWS

Sharpen Your Ability to Manage and Prioritize Risk—Read the January/February Edition of *Facilities Manager* Magazine

The current issue of *Facilities Manager* has just been published and is in th e mail to members and subscribers. Access it for insight into how to more effectively manage and prioritize the risks you face. Features include:

- Managed Risk and Facilities Management: A Balancing Act
- Seven Facility Maintenance Practices Costing You Money
- Campus Housing Projects Display Variety and Innovation
- Managing Risk is Universal

Plus, additional content covering many other topics including:

- Fire Sprinkler System Standards: Are They Meeting Our Expectations?
- Building a Legacy: One Piece at a Time
- How Complex Facilities Strategies Have Changed Recruitment

Access the full issue online today!

Business Partners Support APPA's Drive-In Workshops

The APPA **Drive-In Workshop** is an effective and successful way for APPA and its member institutions to provide local delivery of professional development and training to educational facilities professionals located within a two-hour driving distance to the workshop site. The four-hour program is designed to reach out to professionals who might not normally have access to training and professional development opportunities, due to operating

Jekyll Island, GA

Jun 6-10, 2016
APPA's Supervisor's Toolkit (spons. by SRAPPA)
Charlotte, NC (hosted by UNC Charlotte)

Jul 12-14, 2016
SRAPPA 2016 Conference (Southeastern region, in conj. with APPA 2016)
Nashville, TN

Sep 18-20, 2016
PCAPPA 2016 Conference (Pacific Coast region)
Pasadena, CA

Sep 25-28, 2016
RMA 2016 Conference (Rocky Mountain region)
Flagstaff, AZ

Oct 2-5, 2016
MAPPA 2016 Conference (Midwest region)
Des Moines, IA

Oct 8-12, 2016
CAPPA 2016 Conference (Central region)
Little Rock, AZ

Oct 16-19, 2016
ERAPPA 2016 Conference (Eastern region)
Niagara Falls, ON

Other Events

Feb 8-12, 2016
Campus Energy 2016 (IDEA)
Austin, TX

Feb 15, 2016
Call for Papers DEADLINE for AASHE 2016 Conference
Austin, TX

Feb 16, 2016
How Enterprise "Facilities GIS" Technology is Solving

budget restrictions or similar constraints. Recent Workshops have been hosted by the University of Washington, Georgia Tech, and CU Boulder. Upcoming programs will be held at Butler University, CSU East Bay, and CSU Northridge. See the Events listings for a full rundown.

One key factor in making APPA's Drive-In Workshops so successful is the support and involvement of a tremendous list of APPA Business Partner members. In the past year alone, the following BPs have sponsored more than one Drive-In Workshop:

- J+J Flooring (4)
- Armstrong (3)
- Siemens (3)
- Tremco (3)
- Veritiv (3)
- Antron, McKinstry, Schneider Electric, and Tandus Centiva (2 each)

We urge our Business Partner members to sponsor one or more Drive-In Workshops throughout 2016. We have many campuses willing to host the program, and we need your support. For more information about the Workshops, visit www.appa.org/training/driveinprogram.cfm or contact Corey Newman at 703-542-3428 or corey@appa.org.

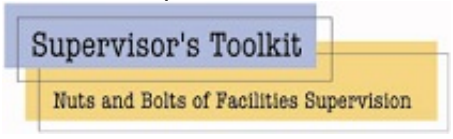
PROFESSIONAL DEVELOPMENT AND CREDENTIALING

Plan Now to Attend!

Start planning now so that you can attend APPA 2016, the co-located annual conference in Nashville with SRAPPA and TNAPPA.

Supervisor's Toolkit Training Takes Place Soon! Hosted by SRAPPA and MAPPA

Register today to secure your space!



APPA's Supervisor's Toolkit training is a structured, open-ended, and pragmatic approach to developing supervisors especially designed for the educational facilities professional. It is not so much a training program as it is a development process designed to help supervisors realize both personal and professional growth. The program is designed for a full week of training. It will help you respond to the demands of intense competition, advancing technology, and changing values—the forces that are transforming your role as a supervisor. If you have any questions about Supervisor's Toolkit or would like to host a Toolkit on your campus, contact Corey Newman, APPA's associate director for professional development, at corey@appa.org.

the Complex Facility Management and Safety & Security Challenges of K12 School Districts
2:00-3:00 p.m. ET

Feb 19, 2016
Philadelphia Green Power Boot Camp (Green Gigawatt Partnership)
Philadelphia, PA area (Villanova Univ)

Feb 25-26, 2016
SAME/IFMA 2016 Facility Management Workshop
San Antonio, TX

Mar 4, 2016
Pittsburgh Green Power Boot Camp (Green Gigawatt Partnership)
Pittsburgh, PA (Carnegie Mellon Univ)

May 5-6, 2016
Climate Action 2016: Catalyzing a Sustainable Future
College Park, MD & Washington, DC

May 9-11, 2016
Better Buildings Summit
Washington, DC

Jun 21, 2016
Elevator U Conference and Vendor Expo
Quincy, IL

Oct 9-12, 2016
AASHE 2016 Conference
Baltimore, MD

SRAPPA	University of Kentucky	Feb 15-19	Register now.
MAPPA	MiAPPA 2016 (MI)	Feb 21-24	Register now.
SRAPPA	University of North Carolina - Asheville	May 9-13	Register now.
SRAPPA	University of North Carolina - Charlotte	Jun 6-10	Register now.

Check out the Exciting Speakers and Pre-Conference Workshops at the 2016 Smart and Sustainable Campuses Conference

April 4 - 5, 2016
Baltimore, Maryland

"Measuring Our Impact" is the theme of the 2016 Smart and Sustainable Campuses Conference (SSCC). The keynote and plenary speakers and their exciting topics are listed below. Before the event begins, consider enhancing your experience by participating in a pre-conference workshop or tour on Sunday, April 3, 2016:

- Washington D.C. Sustainability Tour
- Create a PV Deployment Roadmap for your Campus
- Student Summit
- Accelerating Change with Leith Sharp
- Ramping Up Renewables

Keynote and plenaries:

Harvesting the Lessons of a Decade to Unleash Idea Flow
Leith Sharp
Director of Executive Education for Sustainability Leadership, Harvard's Center for Health and the Global Environment
Monday Plenary

Just Sustainabilities: Re-imagining E/quality, Living Within Limits
Julian Agyeman, Ph.D.
Professor of Urban and Environmental Policy and Planning, Tufts University
Opening Keynote

Things We Don't Measure but Should
Tuesday Plenary
Jim Ritchie-Dunham, President of Vibrancy, LLC and the Institute for Strategic Clarity
Erin Meezan, Vice President of Sustainability, Interface, Inc.
Dr. Mary Spilde, President of Lane Community College
Tuesday Plenary

April is fast approaching! Learn more and register for the SSCC at http://smartandsustainable.umd.edu.

APPA INFORMATION & RESEARCH

BOK

Body of Knowledge

BOK Chapters Updated

With thanks to our team of content coordinators, authors, peer reviewers, and staff, we are pleased to share that 16 chapters in APPA Body of Knowledge have been written, revised, or updated since July 2015. That is a full 26 percent of the 61 chapters currently comprising the BOK.

General Administration & Management (Victoria Drummond, Montana State University, content coordinator)

- Change Management
- Leadership
- Overview of Accounting Systems
- Strategy and Leadership

Operations & Maintenance (Chris Kopach, University of Arizona, content coordinator)

- Building Architectural & Structural Systems

Energy, Utilities & Environmental Stewardship (Darryl Boyce, Carleton University, content coordinator)

- Campus Utility Systems Master Planning
- Computerized Control & Monitoring Systems
- Data & Voice Network Infrastructure
- Domestic & Fire Protection Water Supply & Distribution Systems
- Electrical Distribution Systems

Planning, Design & Construction (Steve Maruszewski, Penn State University, content coordinator)

- Building Information Modeling
- Infrastructure Planning
- Real Estate
- Space Planning & Administration
- Value Management

Learn more about the BOK at www.appa.org/bok , or login using your APPA membership userid at www.appa.org/login.cfm .

HIGHER EDUCATION ASSOCIATIONS SUSTAINABILITY CONSORTIUM

Emerging Trend: Sustainability in Job Descriptions and Performance Reviews

The trend to include sustainability in all areas of higher education is robust. Sustainability is being integrated into planning, operations, procurement, governmental relations, curricular and co-curricular activities, and community partnerships. There is now an opportunity to institutionalize this progress. The Higher Education Associations Sustainability Consortium , of which APPA is a founding member, calls upon higher education administrators and their human resources departments to infuse sustainability principles and practices into job descriptions, as well as into annual performance evaluations. Each faculty and staff member can make contributions to the institution's sustainability practices, and performance evaluations can encourage their efforts. Lead institutions have already moved in this direction, including Arizona State and Cornell University. For more information, contact AASHE's Meghan Fay Zahniser at meghan@aashe.org .

Tackle Your Top Grounds, Custodial, and Maintenance Concerns with the Operational Guidelines Trilogy

APPA's popular Operational Guidelines trilogy of publications on Grounds, Custodial, and Maintenance is the field's leading knowledge resource on educational facilities technology, service innovations, benchmarking, outsourcing, and sustainability. Learn all you can about three key topics critical to your facility's success. Order the trilogy today as a book or in e-book format at www.appa.org/bookstore.

INDUSTRY NEWS

Register by February 5 for the 2016 RecycleMania Competition

More than 300 schools have already registered to compete. Join them!

RecycleMania, the premier collegiate recycling competition managed by Keep America Beautiful, is back in action! In this yearly event, college campuses build school spirit while competing to see who will claim the championship in the fight to reduce, reuse, recycle, and compost the most on campus. The competition begins on Sunday, February 7, and runs for eight weeks. **Registration for new and returning colleges and universities is**

open through Feb. 5. New to this year's competition is the "Electronics Recycling" category and the "Most Improved" category, which will measure schools' 2016 performance relative to their performance in the 2015 RecycleMania competition. Visit RecycleMania.org.

Recorded Sustainability Webinars Available at AACC's SEED Center

The SEED Center, a program of the American Association of Community Colleges, has hosted many webinars focusing on green workforce development, strategies, opportunities, and trends. Some topics include innovative approaches to sustainability education; connecting sustainability, student learning, and workforce development; the campus as a living lab; and many more. Visit the SEED Center to listen to the webinars.

User's Manual to ASHRAE/USGBC/IES Green Standard Now Available

A newly published User's Manual clarifies the intent and implementation of this green building standard by explaining its requirements and providing example applications. *The User's Manual to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings* is intended to help engineers, architects, and contractors understand and comply with the standard and to help code officials and others enforce its requirements. The standard is published by ASHRAE, the Illuminating Engineering Society, and the U.S. Green Building Council. The User's Manual addresses changes including:

- Change of all site requirements to mandatory, with the previous prescriptive and performance options moved to the mandatory requirements.
- Addition of minimum stormwater management requirements for minimizing the impact of stormwater discharge from the project site.
- Adjustment of minimum on-site renewable energy requirements to provide two clear prescriptive paths for including on-site renewable energy in a project.

The manual costs $105 ($89, ASHRAE members). To order, visit www.ashrae.org/bookstore or contact ASHRAE Customer Contact Center at 800-527-4723 (United States and Canada) or 404-636-8400.

The 2015 U.S. Department of Education-Green Ribb on Schools Director's Award: Nominations Due March 1

The Director's Award recognizes state education authorities' exem p lary effor ts to administer U.S. Department of Education Green Ribbon Schools (ED-GRS). A nn u ally , this award goes to the state education official who does the most to advance

sustainable education in his or her state. Any state education official who is involved in implementing the ED-G RS award and who has not already won the Director's Award is eligible.
Send your nominations to ed.green.ribbon.schools@ed.gov by March 1.

Unplanned Data Center Outages Cost Companies Nearly $9,000 Per Minute

New benchmark study finds price of downtime continues to climb

The recent *2016 Cost of Data Center Outages* report shows that the cost of unplanned outages rose 38 percent in the past five years. UPS system failure continues to be the number one cause, with cybercrime representing the fastest growing source of data center outages. The poll featured findings from a poll of data center organizations in the U.S. that had experienced an outage in the past 12 months. Key findings from the new report include:

- The average total cost per minute of an unplanned outage increased from $5,617 in 2010 to $7,908 in 2013 to $8,851 in this report.
- The average cost of a data center outage rose from $505,502 in 2010 to $690,204 in 2013 to $740,357 in the latest study. This represents a 38 percent increase in the cost of downtime since the first study in 2010.
- Maximum downtime costs are rising faster than average, increasing 81 percent since 2010 to a current high of $2.4 million.
- UPS system failure, including UPS and batteries, is the No. 1 cause of unplanned data center outages, accounting for one-quarter of all such events. Cybercrime represents the fastest growing cause of data center outages, rising from 2 percent of outages in 2010 to 18 percent in 2013 to 22 percent for those sampled in the latest cost of downtime study.

Access the 2016 Cost of Data Center Outages .

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APPA promotes leadership in educational facilities through a variety of forums that address trends, issues, and best practices in educational facilities management. We are the association of choice for more than 5,200 educational facilities management professionals throughout the United States and abroad.

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