

A blurred, high-angle photograph of a large crowd of people walking through a modern, brightly lit building lobby. The people are out of focus, creating a sense of movement and activity. The background shows architectural details like columns and glass railings.

AMERICA'S **#1 FREE**

Conference and Expo for **FMs!**

BUILDING OPERATING MANAGEMENT'S
NFMT[®]2015

National Facilities Management & Technology March 10-12, 2015 • Baltimore

March 10-12, 2015 | Baltimore, MD | NFMT.com/baltimore/15/DM

FM EDUCATION, EXHIBITS, NETWORKING

Best practices, operational strategies, tricks of the trade, new relationships, fresh ideas and innovative solutions – all at **NFMT!**

What is NFMT 2015?

NFMT 2015 is a FREE 3-day conference and trade show that gives you customizable facilities management training, product discovery and unlimited networking. Your only investment is time. Your take-away will be new best practices, tricks of the trade, operational strategies, relationships, fresh ideas and innovative solutions. It's all in one place, at one time.

14 Tracks. 120 Sessions. 3 Days of Exceptional Education.

The NFMT 2015 education lineup is carefully crafted to ensure that all aspects of the FM profession are addressed. The 120 sessions are organized under 14 different tracks, so you can customize your learning experience.

NFMT 2015: What's In It for YOU?

- » Free access to more than 120 different educational sessions containing information and ideas you won't hear any place else
- » Exclusive general sessions and presentations, facilitated by some of the industry's most respected experts provides rare opportunities to meet face to face with these elite leaders
- » An exhibit hall filled with more than 500 exhibitors allows you to be among the first to know about new products and services that can benefit you and your facility
- » Continuing education credits help you maintain your professional designations
- » The opening night reception provides a relaxed environment to network with your peers, suppliers, and industry experts
- » Daily drawings in the Expo Hall for \$1,000 provide you with opportunities to go home with a thicker wallet



NFMT 2015 Schedule At-A-Glance

TUESDAY, MARCH 10

7:00 am - 5:00 pm	Registration/Check-in
8:00 am - 8:50 am	General Session: FMXcellence: Honoring Top FM Teams
9:00 am - 11:50 am	Educational Sessions
Noon - 4:00 pm	Expo Open
3:45 pm	Grand Prize Drawing*
4:00 pm - 5:00 pm	Opening Night Networking Reception

WEDNESDAY, MARCH 11

7:00 am - 5:00 pm	Registration/Check-in
7:45 am - 8:50 am	Solutions Exchange
9:00 am - 10:50 am	Educational Sessions
11:00 am - 3:00 pm	Expo Open
2:45 pm	Grand Prize Drawing*
3:10 pm - 5:00 pm	Educational Sessions
3:10 pm - 6:30 pm	Women in Facilities Management Panel and Reception

THURSDAY, MARCH 12

7:00 am - 3:00 pm	Registration/Check-in
8:00 am - 8:50 am	Facilities Management in the Headlines: What would you do?
9:00 am - 10:50 am	Educational Sessions
11:00 am - 2:00 pm	Expo Open
1:45 pm	Grand Prize Drawing*
2:10 pm - 4:00 pm	Educational Sessions

*Co-Sponsored by DTZ and Polaris

Who Should Attend **NFMT** 2015?

The National Facilities Management and Technology Show (NFMT) is for **ALL** facilities professionals.

- » Facilities Managers
- » Building Owners
- » Engineering Managers
- » Maintenance Managers
- » Operations Managers
- » Energy Managers
- » Property/Asset Managers
- » Sustainability Managers
- » Construction Managers
- » Buildings & Grounds Managers
- » Security Managers
- » Architects
- » Developers



If you are in any way involved in facilities management, maintenance or operations, **NFMT** is for you!



Get All This for **FREE!**

- » One-on-one access to more than 100 facility and maintenance experts
- » Your choice of 120 educational sessions
- » Entry to exhibit hall with more than 500 top suppliers
- » Continuing education credits
- » VIP invite to opening night networking party
- » Admission to Solutions Exchange speed learning
- » Exclusive General Sessions and Facility Tours

Come for 1, 2 or all 3 days – whatever best fits your schedule.

Register Today for **FREE!** | nfmt.com/baltimore/15/DM

SESSIONS AT-A-GLANCE

MONDAY, MARCH 9

Paid Workshops

Advance: \$99 for NFMT Members, \$149 Non-Members

Onsite: \$249

Please register online, your credit card will be charged during the registration process.

1:00 PM - 5:00 PM

- » Facility Risk Assessment Workshop
- » The Disaster Experience: An Emergency Preparedness Simulation Exercise

TUESDAY, MARCH 10

8:00 AM - 8:50 AM

- » FMXcellence: Honoring Top FM Teams

9:00 AM - 9:50 AM

- » The Art of Competitive Bidding and Negotiations
- » Building an Effective FM Team in a Networking Centric World
- » Do We Really Want Intelligent Buildings?
- » Energy Efficiency in Multi-Tenant Office Buildings
- » FMX Revisited: Munich Reinsurance
- » Zero-Waste: The Path to Lean Process Design for Facility Operations & Maintenance
- » Uninterruptable Power Supply: Trends and Opportunities
- » How to Protect Against Workplace Violence
- » Using Predictive Analytics for Facility Budget Forecasting
- » COBie: a Tutorial for an FM Game-changer, Part A

10:00 AM - 10:50 AM

- » The Impact of Emerging Technologies on Facilities Management
- » High Impact Facilities Organizations
- » An Introduction to OLEDs: The Other Solid-State Lighting Technology
- » Innovative Green Cleaning Technologies that Save Money
- » Protecting your Facility from Power Failure
- » Implementing NFPA 70E for Arc Flash Safety
- » What Does 'Sustainable Landscaping' Mean Today?
- » How to Create Win-Win FM Outsourcing Partnerships by Keeping People Incentivized
- » COBie: a tutorial for an FM Game-changer Part B

11:00 AM - 11:50 AM

- » Six Points of Focus for the Building Operator
- » Survivability of the FM: Utilizing Expertise Instead of Management, Direction and Control
- » The Real Meaning of Total Cost of Ownership
- » Five Rules for Speaking with the CEO and CFO
- » Designing Successful Public Space Recycling Programs
- » BIM2FM: Capturing Design & Construction Information for Building Operations and Facility Management
- » ADA Compliance: An Ounce of Prevention is Worth a Pound of Cure
- » Strategic FM Outsourcing: It's Not About the Contract
- » Leveraging Maximo Data for Increasing Labor Utilization

WEDNESDAY, MARCH 11

7:45 AM - 8:50 AM

- » Solutions Exchange

9:00 AM - 9:50 AM

- » Strategic Alignment of Your CMMS
- » Optimizing HVAC Efficiency: Strategies for Savings
- » ISO 55000 Changing the Conversation
- » Why LEDs? Why Now?
- » Reduce Energy Costs at Your Health Care or Research Facility
- » Putting the 'Green' into Green Buildings by Focusing on Operations' ROI
- » Tax Incentives for Facility Improvements
- » Facility Life Cycle Asset Management
- » Five Key Steps in Managing Water Systems To Reduce Legionella Risk
- » New-Generation Technicians: Recruitment, Training and Retention Strategies
- » Addressing Moisture in Concrete for Roofing and Flooring Applications
- » Driving Efficiency: Federal Buildings Personnel Training Act (FBPTA) Program Update

10:00 AM - 10:50 AM

- » What is a High-Performance Building?
- » Simplifying Lighting Controls
- » Energy, Occupant Satisfaction and Your Facilities Budget: Can They Coexist?
- » Recognizing Best Practices in Grounds Management
- » WBDG.org: An Extensive Online Resource for Sustainable Design & Net Zero Buildings
- » The Data Center Hybrid
- » The Business Case for Accessibility
- » Tools to Ensure Meeting BIM Delivery Requirements
- » LED Lighting: An Automation Armageddon
- » Federal Buildings Personnel Training Act (FBPTA) Implementation: Three Government Agencies in Action

3:10 PM - 4:00 PM

- » Sustainability and High-Performance Buildings: FM Practitioners Guide
- » Big Data for Energy Efficiency: Visualize the Invisible
- » Real Green Energy Savings
- » ADA for Facilities Operations
- » Full-Spectrum Energy Management
- » Generator Docking Stations: Backing Up the Back Up Plan
- » In Emergency Response, Great Plans Are a Smart Thing; Training Is Everything!
- » OSHA's Enforcement and Significant Changes in 2015 NFPA 70E
- » (Un)Intelligibility in Workplace Design
- » Achieving Tangible Results: How to Build a Talent Management Program Using FBPTA and FMI

4:10 PM - 5:00 PM

- » Women in Facilities Management 2015 Roundtable and Reception (**4:00 PM - 6:30 PM**)
- » Performance Based Contracting for Facility Services
- » Technology and Maintenance Planning

- » DCIM Monitoring - Back to Basics
- » GHS: Two Deadlines Hit in 2015: Are You Ready?
- » Preventing Snow Load Collapse of Large Box Buildings
- » No More Gut Decisions: Business Analytics Made Easy

THURSDAY, MARCH 12

8:00 AM - 8:50 AM

- » Facilities Management in the Headlines: What Would You Do?

9:00 AM - 9:50 AM

- » Rapid Implementation Strategies for Maintenance Software
- » Young Professionals Panel
- » Building a Better Business Case for your Facilities Master Plan
- » How Building Commissioning Drives Contractor Accountability
- » Lessons Learned from Ebola
- » Sustainability Is Not a Four Letter Word
- » How Intelligent Building Technology Can Impact Your Business by Reducing Operating Costs
- » Making Sense of Fire Sprinkler System Inspection, Testing and Maintenance Reports
- » Submeters: What, Why, When, and How
- » Sustainability in the Federal Government

10:00 AM - 10:50 AM

- » What You Really Need to Know about LED Lighting
- » Preparing the Next Wave of Leaders
- » 10 Tips to Building a Better Maintenance Team
- » Energy Efficiency: Taking Advantage of the World's Most Important Fuel
- » Labor & Employment Law Update
- » Managing Grounds in Winter Months: Best Practices for Snow and Ice Management
- » CHP Solutions
- » Finding the Value in Building Enclosure Commissioning
- » Optimizing Preventative Maintenance

2:10 PM - 3:00 PM

- » Effectively Prioritizing Maintenance Work
- » Optimizing Energy Purchases with Energy Storage
- » NFMT Talks: Leadership
- » Making the Move to Centralized Facilities Management (CFM)

3:10 PM - 4:00 PM

- » NFMT Talks: Maintenance
- » Fire Alarm/Suppression Systems: Reducing Problems, Lowering Cost



Get the **TOOLS & RESOURCES** You Need

FM Training to Meet Your Exact Needs

No matter your interest or training need, NFMT has you covered with a completely customizable educational program. Our educational sessions are organized into 14 different tracks. Pick and choose to suit your specific training goals.



Critical Facilities



Management Strategies



Design Trends



Public Sector Trends



Energy



Safety And Security



Greening An Existing Building



Sustainability



Healthcare Facilities Today



Systems



Leadership & Career Advancement



Technology



Maintenance And Operations



Throwback Thursday



New & Improved For **NFMT** 2015

Exciting **New Opportunities** in 2015:

New Tracks:

- » **Critical Facilities**
- » **Public Sector Trends**
- » **Management Strategies**

FMXcellence Remix

Since 2010, Building Operating Management and NFMT have highlighted facilities departments that have made a major impact on their organizations. We are bringing back a few of the previous honorees to give updates on their projects in the years since being honored.

Young Professionals Happy Hour

After a very successful young professional panel discussion last year, we've decided to expand the program and add a networking opportunity for our attendees under 35-years-old. Details to follow.

Facilities Management in the Headlines: What Would You Do?

Join us for the highly interactive Thursday general session. Our panelists will lead the audience through real-life, ripped-from-the-headlines situations and discuss how facilities managers should react if/when it happens to their organization.

NFMT Talks

Our version of a TED Talk! Hear thoughts from a few of our distinguished speakers on management, leadership and career development. Each speaker will have 15 minutes and PowerPoint slides are not allowed.

Throwback Thursday

With over 15 NFMT events under our belt, some sessions still have our attendees talking. We are bringing back a few of NFMT's most popular sessions for Throwback Thursday.

Back by Popular Demand:

FMXcellence General Session

The 5th Annual FMXcellence panel will detail the four organizations honored by the 2015 FMXcellence Recognition Program. These programs include adidas, the Fred Hutchinson Cancer Research Center, Sheridan College Institute of Technology, and Advanced Learning, University of Arizona.

Tuesday's Networking Party

Celebrate you and your peers at the Networking Party Tuesday evening.

Women in FM Discussion and Reception

Join us for the 7th annual Women in FM panel discussion. An impressive panel of women will guide the group discussion with lots attendee participation! After the formal discussion wraps, the conversations continue with a networking reception. Thank you to Sodexo for sponsoring this event.

Young Professional Panel

As baby boomers continue to retire, it is critical to attract talented, young professionals to the industry. This panel will highlight how young professionals are joining the industry, what is keeping them in the industry and how to advance in the field.

- » **Many of your favorite speakers will be back in **Baltimore** this spring.**
- » **The exhibit hall will be as large as ever with **more than 500 industry suppliers** ready to tackle your biggest issues.**

TRAVELING TO BALTIMORE

Hotel Savings for NFMT 2015 Attendees

As an attendee of NFMT 2015 you qualify for a discount rate when you stay at one of the six official event hotels, all of which are within walking distance of the Baltimore Convention Center – home to NFMT 2015. The hotel discount deadline is February 5, 2015 (subject to availability). Historically rooms go quickly so book yours today.

To reserve your room, visit:

nfmt.com/baltimore/travel/hotels15.asp

or call 800-282-6632



SESSIONS

register today at nfmt.com/baltimore

Schedule as of December 19.
Visit nfmt.com/baltimore/15/DM
to get the latest information

monday, march 9

1:00 pm - 5:00 pm

PAID WORKSHOPS:

ADVANCE:

\$99 for NFMT Members;

\$149 for non-members;

ONSITE: \$249

Maintenance and Operations

Facility Risk Assessment Workshop

*Michael B. Cowley, CPMM,
President - CE Maintenance
Solutions*

*Paul Head, II, Manager - Ernst
& Young Construction Real
Estate Advisory Services*

Organizations are faced with risks in every aspect of their facilities and maintenance operation. To mitigate risk, you must first be able to identify, evaluate, prioritize and plan. FMEA is a tool/methodology to help you identify risks affecting your CRE/FM/maintenance organization, determine risk exposure and prioritize remediation projects that will lower risk while improving performance of your organization. Learn from experts on how to use the facility risk assessment to implement a risk management plan and how to develop, maintain and monitor risk action plans.

AUDIENCE: INTERMEDIATE

Safety and Security

The Disaster Experience: An Emergency Preparedness Simulation Exercise

*Bob Mellinger, President -
Attainium Corp.*

Business continuity planning has never been more critical to the safety and security of facilities, regardless of their size, location or industry. Unfortunately, creating and maintaining a business continuity plan (BCP) still remains a low priority for many organizations leaders. That is why this session is necessary, and not for the faint-of-heart. Every disaster is not created equally and this experience has been designed to put you in the throes of a real-life disaster situation, as it unfolds. You will make the critical decisions any organization will have to make, and deal with the consequences of those decisions. At the completion of the four hour session, attendees will understand the importance of planning in advance for different disasters or other business disruptions.

AUDIENCE: INTERMEDIATE

tuesday, march 10

Free Educational Sessions**8:00 am - 8:50 am**

Leadership and Career Advancement

FMXcellence: Honoring Top FM Teams*Edward Sullivan, Editor - Building Operating Management Magazine*

Over the past five years *Building Operating Management's* FMXcellence Recognition program has highlighted in-house facilities management teams that are making significant impacts on their organizations. This year we once again feature four impressive initiatives: adidas's greenEnergy Fund, Fred Hutchinson Cancer Research Centers' successful lean staffing program, Sheridan College of Technology and Advance Learning's strategic energy plan and University of Arizona Facilities Management's apprenticeship program. Hear first-hand from representatives of these organizations as they discuss the details of these inspiring programs.

AUDIENCE: BEGINNER

9:00 am - 9:50 am

Management Strategies

The Art of Competitive Bidding and Negotiations*Nick O'Hare, Client Relations Specialist - StructureTec*

This session will cover best practices in obtaining the most competitive pricing for your projects without sacrificing quality, a component that purchasing agents often overlook. The single most important component in this

process is a properly prepared set of specifications. This program highlights why specifications are important and, more importantly, what to look for to ensure that the documents provide the best possible pricing and quality outcome for the project. We will also cover important steps for a successful bid process.

AUDIENCE: INTERMEDIATE

Leadership and Career Advancement

Building an Effective FM Team in a Networking Centric World*Stormy Friday, President - The Friday Group*

No longer can FM managers count on the talent within their organization staying as long as it used to. Instead of making a career out of one FM organization, employees now anticipate making job changes as often as they change their cell phones! This workplace environment makes it difficult for FM Managers to establish a talent management strategy and build a team that is consistent and long lasting.

The realities of managing great and talented people are different, so understanding the new culture and expectations of the FM workforce are key to the success of building an effective FM team. This session identifies how the networked generation is different and provides guidance for FM managers on how to harness talent and make it work for the good of the FM organization. This session focuses on how managers and other FM professionals can maximize being connected and channel the energy to strengthen their FM organization.

AUDIENCE: ADVANCED



Technology

Do We Really Want Intelligent Buildings?*Ben Dorsey, Vice President - Continental Industries, Inc. Chris Hollinger, Senior Product Manager, Integrated Systems - Siemens Building Technologies, Inc.*

This session will discuss two important parts of building automation. Part one: "Oh, No! It's ALIVE!" will explore the world of building intelligence and discuss the elements that are essential to achieving smart buildings. A case study will be cited. In the second part of the presentation: "Your Connected Facility," we will amplify our definition with connected building concepts and review implementation practices such as smart grid connectivity.

AUDIENCE: INTERMEDIATE

Energy

Energy Efficiency in Multi-Tenant Office Buildings*David Herman, PE, LEED AP, Principal - EnerG Associates, LLC*

Multi-tenant office buildings present a tremendous opportunity for improving energy efficiency. Unlike in owner-occupied buildings, managers and owners of multi-tenant office buildings encounter both perceived and real barriers that often prevent the implementation of energy efficiency measures throughout the entire property. Greater energy efficiency improves cash flow for building owners, increases asset value,

reduces tenant turnover and makes available space more attractive. Case studies from multi-tenant office buildings will be presented as well as an overview of the ENERGY STAR score as a tool to understand a building's energy performance.

AUDIENCE: INTERMEDIATE

Management Strategies

FMX Revisited: Munich Reinsurance America

Munich Reinsurance America, Inc. is one of the world's leading reinsurers. The company is an industry leader in modeling the effects of climate change, and is active in global climate-protection organizations (including the U.N. Environmental Program and the Global Climate Forum). It is a fixture in top sustainability indices, has been continually listed in the FTSE4Good and the Dow Jones Sustainability Index since 2001, and has been recognized by sustainability ratings groups around the world. In 2007, the company's Facilities Management team created an energy reduction strategy for use at its corporate headquarters in Princeton, NJ. Showing steady reduction each year, the campus is expected to finish 2014 having permanently reduced its energy costs and carbon footprint by over 65%, and is on target to cut these two key metrics by 80% off its original baseline by the end of 2016. The team was honorees in the 2012 FMXcellence Recognition Program and in the 2014 Facility Maintenance Decisions Achievement Awards.

AUDIENCE: INTERMEDIATE



Maintenance and Operations

Zero-Waste: The Path to Lean Process Design for Facility Operations & Maintenance

Martin C. P. McElroy, CFM, Principal - MartinCompany Management Consultants, Inc.

In quality management circles, process design organizes inputs, operations and outputs for repetitive tasks. Think Six-Sigma. Famously, facility O&M focuses on non-repetitive work unless we can target opportunities to structure continuous improvement. Can we better define, document, continuously improve and enforce standards for the way we do things here? The Zero-Waste process model distills maintenance process improvement in major manufacturing, commercial and institutional facilities. Zero-Waste processes encompass safety, work scopes and standards, supervision, service contract management, material & equipment, information systems, training, finance & administration and customer relations. This how-to presentation enables participants to start or accelerate their lean journey.

AUDIENCE: INTERMEDIATE

Critical Facilities

Uninterruptible Power Supply: Trends and Opportunities

Rajan Battish, PE, ATD, LEED AP, Vice President - RTKL

This session introduces the basics of Uninterruptible Power Supply (UPS) and discusses application in small and large data centers. The major components of the UPS systems will be discussed including type and basic operations. The presentation will focus on standard sizes, topologies and operational features. Mr. Battish will present typical failures and risks in application of the UPS system for data centers and how to mitigate risk.

AUDIENCE: INTERMEDIATE

Safety and Security

How to Protect Against Workplace Violence

AUDIENCE: INTERMEDIATE

Maintenance and Operations

Using Predictive Analytics for Facility Budget Forecasting

Gopal Narayan, Assistant Director for Data Analytics - R&K Solutions Inc.

The US Department of Defense owns a large, diverse facility portfolio and has a rigorous methodology to develop facility maintenance budgets. This session explores a case study that demonstrates the effects of facility maintenance funding on different types of facilities within this portfolio, and how predictive analytics techniques can mitigate the effect of low-quality data in budget formulation without the need for expensive data collection. The lessons learned from this study will help facility portfolio owners to balance the risk of large and unexpected facility-related expenses with the cost of a well-funded preventive/corrective maintenance program.

AUDIENCE: INTERMEDIATE

Technology, Public Sector Trends

COBie: a Tutorial for an FM Game-changer, Part A

Kerry Joels, Government Affairs - TMA Systems

The Construction Operation Building information exchange (COBie) is a standard format to collect and exchange building information through the different stages of the project; this is from design to operation. The presentation will provide an overview of COBie, which is part of the National BIM Standard-US, and available tools to enhance the users understanding and start their implementation. Using COBie as a tool to get new construction data quickly into your CMMS, CAFM, or IWMS system can save time and money. COBie gets the maintenance team up and running more quickly in a new structure, and can be used over the lifetime of the structure to save time and cost. The presentation will discuss Life Cycle Issues and address how COBie can be an effective tool over the entire life cycle of a building, and lead to more effective Facility Management. The presentation will look at how COBie and BIM will fundamentally change the value of facilities management to



the host organizations. Information exchanges like COBie will involve the facilities manager from the beginning of a design process through the building life cycle.

AUDIENCE: INTERMEDIATE

10:00 am - 10:50 am

Technology

The Impact of Emerging Technologies on Facilities Management

Paul Doherty, President and CEO - the digit group Inc.

Information Communications Technology (ICT) has become the 5th utility in facilities. Today, facilities managers must make decisions that affect how work gets done, how technology tools are creating the ICT environment, and how technology can be leveraged to manage Smart Buildings and Smart Cities.

Join us to explore the technology forces that are driving change in the facilities management profession. Global and local market conditions, process redesign, and technology innovations are redefining the value of facilities management. Real world examples will be presented regarding projects, tools, and suggested next steps from Silicon Valley, Europe, China, Singapore, and the Middle East.

AUDIENCE: ADVANCED

Leadership and Career Advancement

High Impact Facilities Organizations

Robin Camarote, Founder and CEO - Craft and Atlas LLC

Organizational impact is highly sought-after but difficult to plan for and even more difficult to measure. Many facilities operations and maintenance metrics rely on data that is important to facilities managers, (percent of work completed, utility usage rates, building condition ratios, etc.) but lacks meaning to others outside of the division. With this gap in mind, this discussion turns traditional facilities metrics on their side to look at organizational performance from the vantage point of the stakeholders. To start, we will take a brief look at today's common metrics. This will demonstrate the disconnect between what we rely upon internally to run an effective facilities operation and what our clients, tenants, visitors, students, and others view as necessary to have the best possible experience working or living in these assets. We'll explore the concept of asset/facility stewardship which includes an expanded view of the role and responsibilities of today's facilities managers while reviewing techniques to begin the challenging task of baselining and measuring impact.

AUDIENCE: INTERMEDIATE





NFMT is the the ideal
place to **compare**
products and services
from a variety of
suppliers.



Energy

An Introduction to OLEDs: The Other Solid-State Lighting Technology

John Curran, President - LED Transformations, LLC

LEDs are the main topic of conversation when it comes to lighting. However, there is another solid-state lighting family member that is starting to attract attention. Organic Light Emitting Diodes, or OLEDs, are beginning to move from high priced novelty products to more mainstream illumination solutions. OLEDs offer new and exciting capabilities where the light becomes the luminaire. In this presentation, Dr. Curran will provide an introduction for those unfamiliar with the technology. Included will be a comparison of LEDs, highlighting the advantages and disadvantages that OLEDs offer, as well as what the future holds for this unique technology.

AUDIENCE: BEGINNER

Sustainability

Innovative Green Cleaning Technologies that Save Money

Stephen P. Ashkin, President - The Ashkin Group, LLC

Over the past 10+ years, Green Cleaning has gone from niche to mainstream resulting in increased demand in almost every product category, which in turn has resulted in important innovations. Beyond the innovations such as devices that turn water into an effective cleaning solution; paper made with agricultural waste and rapidly renewable fibers; plastic can liners with 70 percent post-consumer recycled content; laundry and ware washing operations that reduce chemicals, energy and water; backpack vacuums with powerful new battery technologies; are just some of the examples of innovative new cleaning technologies. This session will focus on innovative Green Cleaning technologies that are easy to implement and that can save you money.

AUDIENCE: INTERMEDIATE

Critical Facilities

Protecting your Facility from Power Failure

Michael Pope, Director of Education - EGSA

This session will provide an overview of the reasons for the increasing rate of utility power failures and the challenges facing facilities during power failures. Loss of electrical power has many implications: closing a facility for the duration, security issues, lost production, loss of perishable good, physical discomfort, etc. Many facilities are protected from costly power failures by emergency or back-up generator sets. The Electrical Generating Systems Association (EGSA) will present important information to facility managers that have invested in, or are considering investing in, an emergency generator set.

AUDIENCE: INTERMEDIATE

Safety and Security

Implementing NFPA 70E for Arc Flash Safety

Daryn Lewellyn, Founder - Lewellyn Technology

The practical application of NFPA 70E to real-world electrical safety programs and OSHA compliance can be confusing and at times overwhelming. In this intermediate-level presentation, Lewellyn Technology Founder, Daryn Lewellyn, equips attendees with the knowledge and perspective needed to implement this standard for electrical safety in the workplace. Changes found in the 2015 edition of NFPA 70E will be covered as well.

AUDIENCE: INTERMEDIATE

Maintenance and Operations

What Does Sustainable Landscaping Mean Today?

Dave Lubach, Associate Editor - Facility Maintenance Decisions Magazine

A decade ago, most grounds managers had at least heard the phrase "sustainable landscapes," but many did not fully understand the practices and components that are involved in making landscapes

more environmentally friendly. Since then, most managers have incorporated elements of sustainable landscaping, including water conservation and the use of native plants, and integrated pest management into their operations. So where is sustainable landscaping now, and where is it headed? In this session, panelists will discuss their roles in creating successful, attractive and sustainable landscapes in their facilities and they will offer suggestions attendees can take back to their landscapes and facilities to maximize sustainability.

AUDIENCE: INTERMEDIATE

Maintenance and Operations

How to Create Win-Win FM Outsourcing Partnerships by Keeping People Incentivized

*J Glasgow, Vice President - DTZ
John Wichman, Director - DTZ*

Are your Key Performance Indicators (KPIs) structured to Keep People Incentivized? The success of an FM outsourcing relationship depends on how well service professionals meet or exceed client expectations. Discover how to align performance goals and what it takes to succeed when adapting to change. In this session, learn how to develop KPIs and measure performance on qualitative as well as quantitative criteria to ensure that all parties succeed together.

AUDIENCE: INTERMEDIATE

Public Sector Trends, Technology

COBie: a tutorial for an FM Game-changer Part B

Kerry Joels, Government Affairs - TMA Systems

This second session will continue with tools and demonstrations of how COBie is used, including case studies from different CMMS vendors that have proven their ability to integrate COBie into their software and successfully use it in a real project.

AUDIENCE: INTERMEDIATE

11:00 am - 11:50 am

Energy

Six Points of Focus for the Building Operator

*John Manz, Director - National Sustainable Structures Center, Pennsylvania College of Technology
John Wilson, Instructional Specialist - National Sustainable Structures Center, Pennsylvania College of Technology*

The presentation offers a snapshot view of energy efficient building operation and maintenance practices, energy management, sustainability, water efficiency, general and electrical safety, as well as building performance measures.

AUDIENCE: INTERMEDIATE

Leadership and Career Advancement

Survivability of the FM: Utilizing Expertise Instead of Management, Direction and Control

Dean Kashiwagi, PhD, P.E., Professor and Director of the Performance Based Studies Research Group - Arizona State University

The best value delivery system allows the FM, who is totally comfortable with hiring expert vendors and not using management, direction and control (MDC) with contracts, to replace MDC with the utilization of expertise. In the best value system, the FMs identify experts and ensure that the best value vendor, who is selected, is successful in increasing the value to the FM. The presentation will describe how a FM can guarantee the success of the best value vendor even though their procurement staff is not an expert in the service being delivered. The presentation will use an actual case study of how other FMs used best value on services and construction.

AUDIENCE: INTERMEDIATE



Systems

The Real Meaning of Total Cost of Ownership

Darren Cassel, CCP, CEM, LEED AP, Founder and Principal - The Stone House Group | David Patnaude, CPE, Director of Plant and Sustainability - Riverdale County School, Bronx, NY

When building a project, do you find yourself backed against the budget wall and VE takes over? At what point in the process is your Cx agent involved, your CM, or your sustainability consultant? Are you spending enough on pre-construction? Thought about the added maintenance costs to your facilities budget or the increased energy costs over time? TCO evaluates all costs of a building (over its lifetime) during the design phase before a shovel goes in the ground. This session will provide attendees with best value strategies to reduce lifetime costs of managing and operating school facilities.

AUDIENCE: INTERMEDIATE

Energy, Greening an Existing Building

Five Rules for Speaking with the CEO and CFO

B. Alan Whitson, President - The Corporate Realty, Design & Management Institute

Learn how to win the competition for money inside your organization. Getting money for performance upgrades and end of life replacement projects is a constant battle inside any

organization, but if you know the secrets you can get your fair share.

AUDIENCE: INTERMEDIATE

Sustainability

Designing Successful Public Space Recycling Programs

*Michael Alexander, President - Recycle Away
Alec Cooley, Director, Recycling Programs - Keep America Beautiful*

More facility locations such as airports, malls, parks and commercial buildings are moving to introduce recycling to public areas. The many success stories of these programs have been countered by hobbled examples of chronic, cross-contaminated bins. Facility managers frequently make the wrong conclusion that people are not willing to recycle correctly. However, experience from successful programs and studies of common behavior traits have shown that relatively simple design practices can prod users to correctly place waste items in respective bins. This presentation will review best practices such as placement, label messaging, bin color and other design elements for setting up effective recycling programs.

AUDIENCE: BEGINNER



Technology

BIM2FM: Capturing Design & Construction Information for Building Operations and Facility Management

Michael Tardif, Senior Partner - Building Life Cycle Information Group

Architects, engineers, and contractors live in a model-centric (BIM) world. Building owners live in an information-centric world. Most building owners are not yet ready to manage live building information models, but many are ready to manage the rich data set of information that can be extracted from models. This session explains how building owners can bridge the BIM2FM gap by specifying an electronic building information deliverable in a format that they can actually use in their CAFM, CMMS, or IWMS software systems without laborious, time-consuming, and error-prone manual data re-entry.

AUDIENCE: ADVANCED

Safety and Security

ADA Compliance: An Ounce of Prevention is Worth a Pound of Cure

Joan W. Stein, President - Stein Consulting LLC

The American with Disabilities Act (ADA) is a federal civil rights law that is complaint driven. Unlike building codes, the ADA is enforced either through investigations performed by the U.S. Department of Justice or by the federal courts; both stemming from complaints or allegations received from individuals with disabilities. Every month, more than 300 private ADA lawsuits are filed in the U.S. federal courts nationwide. The revised 2010 ADA Standards for Accessible Design include significant changes as well as a number of new areas that were never regulated before; adding more risk for facility owners and managers. While nothing can guarantee that an organization will not be sued under the ADA, this session will explore a series of proactive steps that can be taken

to help keep facilities ahead of the curve and help your organization to effectively manage your risk.

AUDIENCE: INTERMEDIATE

Management Strategies

Strategic FM Outsourcing: It's Not About the Contract

Stormy Friday, President - The Friday Group

Doug Kincaid, P.E., President and General Manager - Applied Management Engineering

With outsourcing as an accepted, everyday extension of the FM organization, few FM organizations exist today without some form of outsourced services. Still, many FM organizations have difficulty establishing an outsource arrangement that is strategic, effective and transparent.

This session identifies some of the most common mistakes FM organizations make when they initiate an outsourcing campaign and provides an easy, five piece approach to establishing a successful and sustained outsource relationship.

AUDIENCE: INTERMEDIATE

Technology

Leveraging Maximo Data for Increasing Labor Utilization

Sunil Kamerkar, Principal Consultant - Asset Analytix

The power of any solution comes from the decisions made by utilizing captured and analyzed data. This session will demonstrate how analytics, tied directly to Maximo, drive performance for the Maintenance and Reliability community by empowering every user with the tools necessary to manage work and leverage data to make sound business decisions. The session will discuss how data was collected and analyzed to identify systemic problems and opportunities of improvement for "increasing" Labor Utilization & Wrench Time.

AUDIENCE: ADVANCED

wednesday, march 11

Free Educational Sessions

9:00 am - 9:50 am

Maintenance and Operations

Strategic Alignment of Your CMMS

Jamshed Rivetna, President - Ensoft Consulting, Inc.

For years, maintenance departments in many organizations have been facing budget cuts. These cuts create pressure to become more efficient, to reduce staff, and to cut operating costs. Unfortunately, this cost-cutting mindset invites competition from 3rd party maintenance service providers claiming big savings to an organization's bottom line. To governing boards and upper management, outsourcing is seen as a possible solution to their financial burden. To maintenance staff and managers, it means something entirely different. With this presentation, we will explore the outsourcing topic and will present action items

for facility managers to keep their departments relevant and competitive.

AUDIENCE: INTERMEDIATE

Energy, Greening an Existing Building

Optimizing HVAC Efficiency: Strategies for Savings

James L. Newman, CEM, LEED AP, Managing Partner - Newman Consulting Group, LLC

It's safe to say that energy efficiency will always be top priority for facility managers and engineers, which makes finding new ways to identify and achieve energy cost savings a priority as well - especially in the HVAC system. An effective strategy can help to uncover low- and no-cost measures to boost efficiency and reduce energy use. What's more, it can help ensure that investments in HVAC efficiency bring tangible benefits: improved system performance and significant bottom-line savings in HVAC operations. Attend this



session to learn how to study, analyze and respond to the current state of your building's HVAC system, and identify common and not-so-common strategies to stretch your energy dollars. Covering topics from audits and retrocommissioning to dampers, drives and coils, this presentation will address commonly missed opportunities to optimize the efficiency of the HVAC system, and save money in the process.

AUDIENCE: INTERMEDIATE

Systems

ISO 5500 Changing the Conversation

Nicholas E. Fioravante, Senior Director - Sodexo

For years we have been talking about improving facility performance, establishing consistency in services across our portfolios, improving the quality of the delivered services and most important improving profits. Could ISO 5500 be the final step in the changing the conversation from viewing the facility management organization and facility assets as support costs to the point that the facility management organizations and the facility assets be viewed as a source of revenue?

ISO 5500 Asset Management is the new international standard for the management of a facility's assets. While its origin may be industrial, the standard applies to all types of facilities and assets; and is equally effect for small to global organizations. The policies and procedures of the standard will directly align management of the facility's assets with the organization's objective. Through aggressive asset management, organizations will not only realize improvement in cost-effective operations and a balance of operating expenses and capital expenses, but also realize improvements in the environment and increase employee productivity. As an early adopter we can provide insights and lessons learned with the process and the benefits achieved.

AUDIENCE: INTERMEDIATE

Energy

Why LEDs? Why Now?

Bill Ballweg, Product Development Manager, LED Acuity Brands - Lithonia Lighting

This presentation addresses the value of using LED technology in facilities today to create an optimal ambient lighting experience. It provides an overview of lighting technology options and describes the benefits of incorporating LED lighting in facilities. Additionally, it provides attendees with a comparison of LED lighting and traditional lighting options, as well as a description of the latest lighting control technology that can optimize the capabilities of LED lighting.

AUDIENCE: INTERMEDIATE

Greening an Existing Building, Healthcare Facilities Today

Reduce Energy Costs at Your Health Care or Research Facility

Craig Goodwin, P.E., Director, Design and Construction - Johns Hopkins School of Medicine
Mohamad Jamal, P.E., President and Chief Mechanical Engineer - A.J. Adam Engineering, LLC

This session will discuss the critical steps in any energy reduction effort including: identifying opportunities for energy savings, planning, implementation and optimization and analysis.

AUDIENCE: INTERMEDIATE

Greening an Existing Building

Putting the 'Green' into Green Buildings by Focusing on Operations ROI

F. Joshua Millman, AIA, NCARB, LEEDAP, CFM - Vice President NuTec Design Assoc., Inc

A building is supposed to facilitate operations as efficiently and economically as possible, yet the traditional focus is on efficiency, not economics. Sustainability goals are often an afterthought so how much more will it cost to make the building sustainable?, and operations are rarely addressed during design. However, 80-90% of a building's life cycle costs are actually from operations. Given that the financial benefit of sustainable design is reducing operating costs, what can be achieved by designing with a focus on operating costs and sustainability goals? This approach can significantly the bottom line, with results that your CFO will love!

AUDIENCE: INTERMEDIATE



Energy

Tax Incentives for Facility Improvements

Jacob Goldman, LEED AP, Senior Engineer - Energy Tax Savers, Inc.

This presentation is designed to explain building tax incentives from the Energy Policy Act (EPAct 179D), new HVAC repair regulations, and cost segregation. We will discuss how building owners and managers can strategically use the above-mentioned incentives to significantly decrease the amount of time it takes to recoup their investment on building equipment, particularly those items related to the energy systems in the building.

AUDIENCE: INTERMEDIATE

Maintenance and Operations

Facility Life Cycle Asset Management

Pedro Dominguez, Managing Principal - Invenio Group

AUDIENCE: BEGINNER

Maintenance and Operations

Five Key Steps in Managing Water Systems To Reduce Legionella Risk

Matt Freije, President - HC Info

Matt Freije will give a need-to-know update on the latest



guidelines, standards (including pending ASHRAE 188P), and findings regarding Legionella in building water systems and how it all impacts the management of your plumbing systems, cooling towers, and other water related equipment. He will present a frank view of your options and then suggest five important steps to reduce health and legal risk, without overspending. Freije's recommendations are from an unbiased perspective as his company does not sell chemicals or equipment related to Legionella.

AUDIENCE: BEGINNER

Maintenance and Operations

New-Generation Technicians: Recruitment, Training and Retention Strategies

Moderator: Dan Hounsell, Editor - Facilities Maintenance Decisions Magazine

The challenge of developing the next generation of front-line technicians in maintenance and engineering departments has

never been tougher. While meeting the growing demands of aging institutional and commercial facilities, and staying up to date with technology advances throughout these buildings, managers must also pay attention to the human side of maintenance; locating, training and keeping qualified technicians. In this session, managers who have succeeded in staffing their departments with technicians and bringing them up to speed on essential skills and credentials will share their proven strategies for success.

AUDIENCE: INTERMEDIATE

Technology

Addressing Moisture in Concrete for Roofing and Flooring Applications

Philip K. Frederick, Senior Staff Engineer - Simpson Gumpertz & Heger Inc. | David Slick, Associate Principal - Simpson Gumpertz & Heger, Inc. | Joseph D. Rogers, P.E., Senior Staff Engineer Simpson Gumpertz & Heger Inc.

Repair of roofing and floor finish failures are typically very costly, time consuming, and disruptive to facility operations. This presentation will help building owners, facility managers, architects, and contractors understand the causes of concrete substrate moisture-driven roofing and flooring failures, and how the failure mechanisms must be considered in the design or repair process. This presentation will discuss the science behind moisture drive through concrete substrates, the implications of ignoring such moisture issues in both roofing and flooring systems, and methods for consideration to mitigate these moisture issues in roofing and flooring substrates. The presenters will discuss: similarities between identifying and testing for moisture in concrete substrates in roofing and flooring systems; common considerations for causes of moisture-driven roofing and flooring failures; similar strategies for repairing failed roofing systems and floor finishes; and common considerations that must be

addressed during concrete substrate moisture-driven roofing and flooring repair projects.

AUDIENCE: INTERMEDIATE

Public Sector Trends

Driving Efficiency: Federal Buildings Personnel Training Act (FBPTA) Program Update

Maureen K. Roskoski, LEED AP, REPA, Corporate Sustainability Officer - Facility Engineering Associates | Brian Gilligan, National Program Manager - General Services Administration

Hear from the GSA National Program Manager on the latest updates on the Act, training courses and certification alignment, and the Facility Management Institute (FMI) upgrade.

AUDIENCE: INTERMEDIATE

10:00 am - 10:50 am

Systems

What is a High-Performance Building?

Moderator: Greg Zimmerman, Executive Editor - Building Operating Management Magazine

A building can't be high-performance based on its design alone. Connecting design intent with ongoing, long-term operational efficiency is what make a building truly high-performance. But how do you bridge that gap? How do you ensure that assumptions made during design bear out in the performance of the building when it's handed off to you, the facility manager? This panel session will feature experts who will share their knowledge about how to ensure buildings are operated as efficiently as they were intended in design.

AUDIENCE: BEGINNER



Systems

Simplifying Lighting Controls*Jack Schneider, Electrical Engineer - Coffman Engineers*

Lighting control systems and their programming can be frustrating. When operating correctly, they are rarely noticed and often unappreciated, but when not operating correctly they seem to be the bane of owners, operators, and users. We're all familiar with the horror stories of lights flashing on and off in a facility during use and nobody on site who knows how to operate the switches that don't seem to work.

AUDIENCE: BEGINNER

Energy

Energy, Occupant Satisfaction and Your Facilities Budget: Can They Coexist?*Davor Novosel, Chief Technology Officer/National Energy Management Institute Committee (NEMIC)*

Facilities managers are asked to achieve the seemingly impossible: operate the highest possible performing building at the lowest operating budget while achieving 100 percent occupant satisfaction. It can (almost) be done with today's tools. This session will give insights into the relationship between the building's energy performance and the occupant comfort perceptions. Furthermore, testing, adjusting and balancing will be showcased as the first step in achieving a high performance building.

AUDIENCE: INTERMEDIATE

Maintenance and Operations

Recognizing Best Practices in Grounds Management

AUDIENCE: INTERMEDIATE

Sustainability

WBDG.org: Extensive Online Resource for Sustainable Design & Net Zero Buildings*Richard Paradis, P.E., Director - Whole Building Design Guide*

With increasingly tighter standards to optimize energy

and water consumption, as well as buildings trending toward net zero, there is a critical need for online resources that describe these technologies in understandable language and explain the value of integrated design to achieve the level of performance desired. The Whole Building Design Guide (WBDG.org) is that resource. Within WBDG, discussions can be found on a number of sustainable design strategies and renewable energy technologies, along with net zero buildings, building envelope design, smart controls, and living buildings. WBDG provides case studies and continuing education courses to further enhance knowledge of these topics.

AUDIENCE: BEGINNER

Critical Facilities

The Data Center Hybrid
Mark S. Evanko, Principal - BRUNS-PAK

The educational community data center presentation provides a summary of data center options and considerations associated with meeting present and future facility requirements. Whether retrofitting an existing complex, expanding an existing facility, consolidating multiple data center/server facilities, or relocating data center operations, the elements that impact size, space, cooling, reliability, OPEX/CAPEX costs, and scalability/modularity will include: co-location, cloud, containerized systems, and network, to name a few. This session will discuss how the critical aspect is to maximize the return on investment both short and long term.

AUDIENCE: ADVANCED

Safety and Security

The Business Case for Accessibility*M. Bradley Gaskins, AIA, CASp, Principal, COO - The McIntosh Group*

This session is designed to help facility managers understand the basic applications and definitions contained within the Americans with Disabilities Act as it relates to accessibility in design and construction, and to shine light on the various ways that ADA compliance and accessible design can impact the bottom line.

AUDIENCE: INTERMEDIATE



The **NFMT** Educational lineup is carefully crafted to ensure that **all aspects** of the **FM profession** are addressed.





Technology

Tools to Ensure Meeting BIM Delivery Requirements

T.J. Meehan, AIA, LEED AP, CADD Microsystems, Inc.

Do you provide BIM deliverables for your projects? Do you work with LEED, COBie, or the U.S. Army Corps of Engineers? Is your BIM authoring tool of choice Autodesk Revit? Then this session is ideal for you. Learn about three free utilities for Revit to allow you to automatically perform LEED calculations, effectively work with COBie data, and check your models for compliance with U.S. Army Corps of Engineers BIM requirements.

AUDIENCE: INTERMEDIATE

Technology

LED Lighting: An Automation Armageddon

Andy McMillan, President - BACnet International

In this session we will discuss how LED lighting could trigger a significant disruption of the traditional building automation industry. We will review current and future drivers for LED lighting adoption and explore the 'perfect storm' potential of combining LED lighting with BACnet, wireless controls and cloud-based energy management services.

AUDIENCE: BEGINNER

Public Sector Trends

Federal Buildings Personnel Training Act (FBPTA) Implementation: Three Government Agencies in Action

Brian Gilligan, National Program Manager - General Services Administration

Learn from the experience of three agencies that are implementing training based on fulfilling the FBPTA requirements. Hear from the Department of Defense, Veterans Administration, and the General Services Administration on how they have begun implementation of the Act and how it impacts workers.

AUDIENCE: INTERMEDIATE

3:10 pm - 4:00 pm

Energy, Greening an Existing Building, Safety and Security

Sustainability and High-Performance Buildings: FM Practitioners Guide

Larry Morgan, CFM, SFP, Head of Operational Excellence and Sustainability Initiatives for North and Latin America - SAP Global Facilities Management, Americas

Sustainability has become one of many required core competencies of a facility manager. In order to create and implement a successful sustainability program, dedication and commitment to the project is needed. Learn how to think in terms of the triple bottom line, made up of social, environmental, and economic criteria, and understand how this criterion can help form a solid plan of action. The results will provide benefits that both the facility manager and the organization will be pleased with soon after, as well as in the future.

AUDIENCE: INTERMEDIATE

Energy

Big Data for Energy Efficiency: Visualize the Invisible

Terry Bickham, Director, Energy Services and Solutions-Trane

This interactive presentation will demonstrate how to see what a building has to say using big data - how to access and translate that data into actionable information through analytics with outputs that help visualize performance and opportunities. It will feature the analysis of three real-world examples in very different climate zones (Texas, Washington D.C., and Minneapolis), identify energy conservation measures recommended or discerned from the analysis and the expectations of impact to examine how the methods might be applied to audience members' situations.

AUDIENCE: INTERMEDIATE

Sustainability

Real Green Energy Savings

Scott Gettelfinger, National Accounts Sales Manager-Servpro Industries, Inc.

Attendees will participate in a discussion of the legal trends regarding energy benchmarking and sustainable building practices. 2013 saw more than 3,000 energy related bills introduced in state legislatures. Are mandates coming to your community? Two voluntary initiatives will be highlighted, the EPA's ENERGY STAR and the USGBC's LEED for Existing Buildings.

AUDIENCE: BEGINNER

Maintenance and Operations

ADA for Facilities Operations

Karen Goss, Assistant Director-The Mid-Atlantic ADA Center

AUDIENCE: BEGINNER



Energy

Full-Spectrum Energy Management

James Chemp, President-Chemp Energy Management, LLC | Fred Gerdes, SVP - Sales & Marketing, Chemp Energy Management, LLC

This session will cover two overarching topics, encompassing the full scope of energy management. The first topic discussed will be life-cycle cost reduction for existing facilities. Within this subject, supply-side energy management programs will be reviewed. Details of these programs such as, the utility bill payment and data collection, competitive procurement of energy, rate changes and utility cost budgeting and accruals will be discussed. Additionally, we will look at demand-side energy management programs. These include the operational improvement programs, rebates/incentives procurement and sub-contracts management. The

presentation will shift to the second underlying topic, the life-cycle cost reduction for new facilities. We will explore energy efficient design and efficient equipment procurement.

AUDIENCE: INTERMEDIATE

Critical Facilities

Generator Docking Stations: Backing Up the Back Up Plan

Chris Dahl, President-Trystar Jon Sunde, Certified Master Electrician - Trystar

Your facility has a backup generator. It has a UPS system. You are completely prepared for the worst. Except when the backup generator fails and the UPS system has only 6 hours left before it goes down. Installing a Generator Docking Station prepares facilities for the worst case scenario. When the other solutions fail, Generator Docking Stations step up to protect.

AUDIENCE: INTERMEDIATE

Safety and Security

In Emergency Response, Great Plans Are a Smart Thing; Training Is Everything!

Bo Mitchell, President and CEO - 911 Consulting

Smart plans are critical. But, if we don't get the words off the paper and into people's heads, we have failed. Sandy Hook reinforces that training is everything, given that people can't and won't run to look at binders for response in a real emergency. What are the legal requirements for training? What are the current practices and obstacles in organizations regarding training? What are the proven ways to train for emergency response? How does your organization compare? Appropriate for all levels.

AUDIENCE: INTERMEDIATE

Safety and Security

OSHA's Enforcement and Significant Changes in 2015 NFPA 70E

Doug Tellin, Owner/Master Electrician - Electrical Safety Specialists | Scott Taylor, Director of Sales/KMC Controls, Inc.

This session is to provide an overall understanding of the latest changes of the NFPA 70E and how they may affect your company's overall electrical safety program. Learn about significant changes such as approach boundaries, PPE requirements, host employer responsibilities, and more. During this session we will also go into detail on the latest training requirements for qualified employees as well as OSHA enforcement of these standards. The attendee will gain a better understanding of the relationship with OSHA and NFPA 70E as well as key items that need to be addressed for the next three year cycle of their electrical safety program.

AUDIENCE: INTERMEDIATE

Management Strategies

(Un)Intelligibility in Workplace Design

David Smith, Executive Director of Business and Channel Strategy - Lencore

Employees are any organizations most expensive asset. So designing productive and safe work environments is a critical objective for every firm. This presentation takes a look at the noise factors in workplace design and keys in on identifying the balance of speech intelligibility and unintelligibility. Unintelligibility leads to more productive work spaces with minimal distraction, but recent safety code changes have introduced a requirement for intelligibility. We will explore both and highlight what you should be aware of when designing your next workplace.

AUDIENCE: BEGINNER

Public Sector Trends

Achieving Tangible Results: How to Build a Talent Management Program Using FBPTA and FMI

Brian Gilligan, National Program Manager - General Services Administration

Maureen K. Roskoski, LEED AP, REPA, Corporate Sustainability Officer - Facility Engineering Associates

Teena Shouse, CFM, IFMA Fellow, Vice President - Facility Engineering Associates

We will help individuals test free, user-friendly tools that evaluate their professional development needs and skill gaps, and identify training and credentials tailored to those needs. You will leave with the knowledge of how to create a talent management plan and present a supportable business case to your supervisors for training approval. In addition, FBPTA-Aligned training providers will share how they utilized the FBPTA competencies to strengthen the programs.

AUDIENCE: INTERMEDIATE



4:10 pm - 5:00 pm

Leadership

Women in Facilities Management 2015 Roundtable

Now in its 7th year, the Women in FM panel at NFMT has become a must-attend event for many. The highly accomplished panelists will help guide the discussion through major issues and trends affecting females in the facilities management industry. They will also rely heavily on participation from the audience to express as many opinions and viewpoints as possible. Topics may include work/life balance, career advancement, managing subordinates and more. Anyone is welcome to join us for this discussion. Following the session please join us for a networking reception.

AUDIENCE: INTERMEDIATE

Sustainability

Performance Based Contracting for Facility Services

Vince Elliott, President - Elliott Affiliates, Ltd.

Procurement professionals and all buyers of facility services will gain actionable information about how to implement this powerful strategy. This session will present a Users Guide for Performance-Based Contracting and highlight how this strategy is being implemented for buying facility services. Using actual case study examples, attendees will understand the potential and shortfalls for this innovative buying model. Further, attendees will get insider tips for vetting the best choice service provider in awarding a new contract. Following the User Guide, you will establish the best value for price and performance available in the marketplace. Finally, Vince will share his personal

recommendations for powerful FREE software that you can use to enhance your procurement process.

AUDIENCE: INTERMEDIATE

Technology

Technology and Maintenance Planning

Bill Conley, RWC, President/Principal-in-charge - Conley Group

A comprehensive case study will demonstrate how vision, program development experience and technology helped a large municipal utility to build a ten-year management plan. This plan proactively centralized its maintenance program for HVAC and roofing systems on 240 buildings at 42 sites dispersed across North Central Texas.

AUDIENCE: INTERMEDIATE

Critical Facilities

DCIM Monitoring — Back to Basics

Sev Onyshkevych, CMO - FieldView Solutions

There is so much hype out there about DCIM Monitoring. But what's really vital are the basics- the foundational pieces that a data center must absolutely get right before adding all the bells and whistles. Without a solid foundation installed and running smoothly, your data center will never achieve the efficiency and return on investment that you desire.

AUDIENCE: ADVANCED

Safety and Security

GHS: 2 Deadlines Hit in 2015: Are You Ready?

Glenn Trout, President and CEO - MSDSONline

When OSHA aligned its Hazard Communication Standard (HazCom) with the Globally Harmonized System (GHS) in 2012, it implemented a series of four phased-in compliance deadlines. In 2015, two of those GHS deadlines are going into effect. Don't get caught in noncompliance with OSHA's second most frequently cited

standard. Join us for a review of HazCom, the GHS changes, and actionable steps you can take now to ensure compliance during the GHS transition and beyond.

AUDIENCE: INTERMEDIATE

Maintenance and Operations

Preventing Snow Load Collapse of Large Box Buildings

Dan Mazzei, Associate - Wallace Engineering Structural Consultants

The building code used to design buildings for snow loads is based on a 50-year maximum snowfall. However, record snowstorms do occur occasionally and as such, should be considered. The presentation will cover causes of collapse such as repeated snow, rain and ice storms, frozen downspouts or drains that prevent water from draining off of the roof, and/or an expansion that may cause extra drift to settle on a lower roof not designed for such loads. This discussion will provide an outline for the steps necessary to set up a snow load action plan.

AUDIENCE: INTERMEDIATE

Technology

No More Gut Decisions: Business Analytics Made Easy

Sid Shetty, VP Operations - Service Channel

The hyped notion of "big data" has run its course. To truly benefit from business intelligence, enterprises must leverage all data through advanced analytics in a way that hides the complexity, but powers big results. In this session, learn from industry experts about best practices for choosing and implementing a platform-as-a-service (PaaS) analytics solution. With the right approach, you can say goodbye to gut decisions and hello to a new competitive advantage.

AUDIENCE: INTERMEDIATE





thursday, march 12

Free Educational Sessions

8:00 am - 8:50 am

Management Strategies

Facilities Management in the Headlines: What Would You Do?

Moderator: Edward Sullivan, Editor - Building Operating Management Magazine

Natural disasters, medical emergencies, workplace violence, instable oil prices – these are just a few of the many examples of current events recently featured in the media that can have a major impact on how you operate your facilities. Join our panel of seasoned facilities experts as they navigate through different real-life scenarios. This interactive session will feature discussion and

participation from the audience to help determine the best-case outcome for each situation. This real-time evaluation will help you think out-side-the-box before an occurrence happens in your building.

AUDIENCE: INTERMEDIATE

9:00 am - 9:50 am

Maintenance and Operations

Rapid Implementation Strategies for Maintenance Software

C. Paul Oberg, President and CEO - EPAC Software Technologies, Inc.

This session will focus on strategies for rapidly implementing EAM/CMMS applications. Attendees will be shown various strategies to shorten the time line

for achieving benefits of their maintenance management software system.

AUDIENCE: INTERMEDIATE

Leadership and Career Advancement

Young Professionals Panel

Darrell X. Rounds, Manager - Maintenance & Industrial Cleaning - General Motors Company

As the facility management profession continues to evolve, young and eager FMs are stepping into the spotlight. Thinking strategically, integrating a wide range of technologies, and protecting people and planet are all priorities for this new and growing crop of FMs. As well, today's FMs are expected to speak the language of finance, communicate effectively and efficiently, and contribute to the overall goals of the organization, all while maintaining an appropriate work/life balance. This panel will consider several issues of increasing importance to young FMs and tackle some of the more challenging issues these FMs are facing today.

AUDIENCE: BEGINNER

Management Strategies, Throwback Thursday

Building a Better Business Case for Your Facilities Master Plan

Jim Turner, Director, Facilities Solution - Markon Solutions

Budget pressures are nothing new to facilities managers, whether they work in a corporation or the public sector. This session discusses an approach to developing a facilities master plan that will help make sure the portfolio supports the organization's overall strategic goals, allowing managers to prioritize their operational and financial activities related to each property. Progressing from the first step, developing the asset inventory, through asset strategic alignment, identifying opportunities, developing business cases for projects, and crafting budget strategies, the facilities master plan culminates with an implementation road map with timelines and suggested activities.

AUDIENCE: INTERMEDIATE

Energy

How Building Commissioning Drives Contractor Accountability

Darren Cassel, CCP, CEM, LEED AP, Founder and Principal - The Stone House Group

New construction creates many common, yet preventable flaws in design and installation, and unfortunately, the building owner is left with a product that is not what they had envisioned. Appointing a commissioning authority that provides a technical approach, as opposed to a process commissioning approach, will ensure a result that improves occupant health while reducing costs in the long run. Case studies will highlight each of these approaches; explain how construction errors have become the norm and most important of all, how you can avoid them.

AUDIENCE: INTERMEDIATE

Healthcare

Lessons Learned from Ebola

AUDIENCE: INTERMEDIATE



Sustainability

Sustainability Is Not a Four Letter Word

Darin Rose, Facilities Services Manager - Kiewit Services

Coming from the perspective of not being in favor of the green movement, this speaker found upon further research the importance of conservation and discovered a way to take a practical approach to be sustainable. This course will cover the basic programs and technologies available in the industry.

AUDIENCE: INTERMEDIATE

Technology

How Intelligent Building Technology Can Impact Your Business by Reducing Operating Costs

Neil Maldeis, Energy Solutions Engineering Leader - Trane Commercial Systems

Attendees will learn how trends in smart, connected products are transforming value creation for building managers and owners, allowing them to focus on predictive/preventive - or even

reliability-centered maintenance rather than reactive maintenance. Intelligent building services combine technology, analytics and expertise in HVAC systems to continuously collect, interpret and act upon data from building systems and controls to optimize operational performance. This data gives business, education and healthcare leaders the tools they need to manage energy consumption, reduce operating costs, minimize their environmental impact, improve building system reliability and uptime, and resolve more problems earlier, quicker and more efficiently.

AUDIENCE: INTERMEDIATE

Safety and Security

Making Sense of Fire Sprinkler System Inspection, Testing and Maintenance Reports

Jason Webb, Director of ITM - National Fire Sprinkler Association

Inspection, Testing, and Maintenance (ITM) reports for fire sprinkler and other fire protection systems can sometimes

be difficult to comprehend. NFPA 25, the Standard for Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems requires that, in addition to making the needed corrections and repairs, the owner/property manager maintains those records and reports. In this presentation, participants will be provided with an overview of those record-keeping requirements as well as what to look for on the records themselves to determine necessary maintenance.

AUDIENCE: BEGINNER

Greening an Existing Building, Energy

Submeters: What, Why, When, and How

Phil Fram, VP Sales and Marketing - Quadlogic Controls

There is a lot of confusion as to what an advanced, smart submeter is and how to use them to reduce the energy usage in a building. This seminar is designed to give the basic information and understanding so that a property manager can create and administer projects that foster energy reduction using submeters.

AUDIENCE: INTERMEDIATE

Greening an Existing Building, Public Sector Trends

Sustainability in the Federal Government

Lawrence A. Melton, CEO and President - The Building People

This discussion will center on the challenges facing federal executives using technology to measure, track and manage the sustainability programs and goals. The industry has recognized that establishing a vision around real estate and technology requires the engagement of program leaders. Furthermore, this global vision requires a strategic approach to aligning program strategies with technology roadmaps and architecture. Learn about perspectives from a variety of real estate organizations, including GSA, Customs Border Protection, Navy.

AUDIENCE: INTERMEDIATE

10:00 am - 10:50 am

Technology

What You Really Need to Know about LED Lighting

E. W. Dovel, VP, Public Sector - Harris Lighting

There are hundreds of LED companies promoting the next great advance in LED. The clients are having difficulty wading through the marketing. Come discover what to ask to eliminate the chaff from the wheat.

AUDIENCE: BEGINNER

Leadership and Career Advancement

Preparing the Next Wave of Leaders

Marc Fischer, CPM, RPA, CCIM, Executive Vice President, Investor Services, Colliers-International | Stormy Friday, President - The Friday Group

As members of upper management get ready to retire, the time to prepare those who will take over is now. Continuity planning, transferring a career's-worth of knowledge, and ramping up education to fill any skills gaps all come into play so the organization is not left scrambling when key players wrap up their careers. This panel of



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experts will discuss what it takes to keep the facility management organization running smoothly and optimally through these shifts.

AUDIENCE: INTERMEDIATE

Maintenance and Operations,
Throwback Thursday

10 Tips to Building a Better Maintenance Team

*Michael B. Cowley, CPMM,
President - CE Maintenance Solutions*

No matter how top-of-the-line your equipment is, no matter how expensive your CMMS system, your success truly depends on the team you've created. Over the last few years, new positions have not been created and departments have been slashed. Every single member of your team now needs to be on the top of his or her game to successfully achieve the organization's objectives. Don't despair - there are steps you can take to make sure you have the best maintenance team available. In this session Mike Cowley will walk you through 10 steps to build a better maintenance team.

AUDIENCE: BEGINNER

Energy

Energy Efficiency: Taking Advantage of the World's Most Important Fuel

*Michael C. English, PE, CCP,
LEED-AP, Founder, Senior Partner
- Horizon Engineering Associates*

The International Energy Agency (IEA) recently released a report titled "Energy Efficiency Market Report 2013 -- Market Trends and Medium-Term Prospects." This report stated that in 2011, investments (\$300 billion) in the energy efficiency market globally were at a similar scale to those in renewable energy or fossil-fuel power generation. This session will investigate energy efficiency for one of the world's top consumers of energy, buildings. The most effective ways to achieve building efficiency is through energy audits and retro-commissioning, which are tried and true tools of the trade. This session will highlight several case studies from real world examples of buildings that underwent energy audit and retro-commissioning studies.

AUDIENCE: INTERMEDIATE

Management Strategies

Labor & Employment Law Update

*John E. Cruickshank, Attorney -
Alaniz & Schraeder, LLC*

Labor and employment law obligations change yearly as new laws are written and new case law is created. This update will provide Facility Managers guidance on the areas with the largest changes that could affect their legal obligations. It will also provide strategies for reducing the likelihood of a lawsuit.

AUDIENCE: INTERMEDIATE

Maintenance and Operations,
Safety and Security

Managing Grounds in Winter Months: Best Practices for Snow and Ice Management

*Phill Sexton, Director of Education
& Outreach - Snow and Ice
Management Association (SIMA)*

Best practices for snow and ice management are critical for business continuity and to insure safety for patrons, tenants and employees. Without licensing literature or codes to look to, how do facility managers properly plan and implement professional best practices or choose

professional service providers to offer this risk prevention service?

This session will present best practice guidelines including topics such as: site engineering, determining production rates and capacity demand, snow response planning and provide a best practices checklist for handling harsh winter weather. Learn how facilities and grounds managers can form a comprehensive snow management program to mitigate the unexpected factors when dealing with winter weather, resulting in lower operating costs and better productivity.

AUDIENCE: INTERMEDIATE

Maintenance and Operations

CHP Solutions

*Terence Waldron, President
- Waldron Engineering &
Construction*

Waldron Engineering & Construction, Inc. specializes in engineering, construction, commissioning and testing of power generation, combined heat and power, renewable energy, central heating and chilling facilities. As the premier power engineering and construction management firm in the US, Waldron prides itself on being a leader in advancing new and emerging energy production technologies and developing ways



to bring them to commercial application.

AUDIENCE: ADVANCED

Maintenance and Operations **Finding the Value in Building Enclosure Commissioning**

*Jeffrey D. Kerr, Senior Engineer
Simpson Gumpertz & Heger*
| *Brian Rose, Technical Staff -
Simpson Gumpertz & Heger, Inc.*

Multiple organizations have developed guidelines to help define and qualify the commissioning process for various building components. Building commissioning is a quality-focused process for enhancing the delivery of a project. The process focuses upon verifying and documenting that the building systems and assemblies are planned, designed, installed, tested, operated, and maintained to meet the Owner's Project Requirements. The commissioning process for building systems is well established and developed, while commissioning of the building enclosure is relatively new and still being refined. Owners, designers, contractors, and maintenance staff are quickly realizing the value building enclosure commissioning (BECx) can add to a project. However, many of these professionals struggle to define the procedures and deliverables required for effective BECx, as opposed to traditional building enclosure consulting. Using the established guidelines and project examples, we will describe the BECx process, outline the roles and responsibilities of the BECx Agent, discuss the value inherent with the BECx process, and examine the future of BECx.

AUDIENCE: INTERMEDIATE

Maintenance and Operations

Optimizing Preventive Maintenance

*Kate Kerrigan, Reliability Engineer -
Allied Reliability*

Preventive maintenance programs are often the base of every organization's reliability plans. However, too often they become the repository of desperate measures to placate the organization and half formed root cause analyses. A proactive PM program must be under systemic evaluation to continue to give the results organizations demand. I will show you how to evaluate your current PMs to ensure that they are producing proactive, valuable results. In addition, I will show you a systemic evaluation method that you can begin using today to keep your program fresh and in tune with your organization's changing needs and expectations

AUDIENCE:

2:10 pm - 3:00 pm

Maintenance and Operations,
Throwback Thursday

Effectively Prioritizing Maintenance Work

*C. Paul Oberg, President and CEO -
EPAC Software Technologies, Inc.*

RIME, Ranking Index for Maintenance Expenditures, is one of the most widely used work order priority systems used by maintenance organizations. Developed by Albert Ramond and Associates, the methodology employs factors associated with type of work and type of asset. An easy to use and easy to implement system, an effective priority system such as RIME will enable

maintenance organization to more effectively plan, schedule, analyze and evaluate their efforts.

AUDIENCE:

Energy

Optimizing Energy Purchases with Energy Storage

*Paul Valenta, VP Sales and
Marketing - CALMAC*

If gas stations sold gas 50% cheaper at night than during the day, when would you fill up the tank to your car? You would fill up at night, if you want to save money. So why don't we do this for commercial buildings?

Regardless of the pricing structure a utility provides, the cost of electricity for commercial buildings is nearly 50% cheaper at night, when the need for energy is less. Energy storage allows facility managers to optimize energy purchases by disconnecting consumption of electricity from time of purchase. This session will discuss strategies for energy management and cutting operating costs.

AUDIENCE: INTERMEDIATE

Maintenance and Operations

NFMT Talks: Leadership

*Teena Shouse, CFM, IFMA
Fellow, Vice President - Facility
Engineering Associates*

Hear from three of our most respected experts talk imperiously about a subject near and dear to all of them. Join us at our version of a TED Talk for an inspirational way to wrap up the week. You'll be sure to be able to take some of their wonderful experiences and expertise back to your team.

AUDIENCE: BEGINNER

Technology

Making the Move to Centralized Facilities Management (CFM)

Tom Willie, CEO - Blue Pillar, Inc.

Facility management of large or multi-site, geographically distributed enterprises such as complex hospital systems, universities, military institutions and manufacturing sites is increasingly turning toward the corporate centralization of facilities management and operations. This session will cover the market forces driving the need for centralized facility

management; why old practices and strategies are broken; and the components, tools and technologies that are transforming how facilities can economically and reliably orchestrate core facility-based operations.

AUDIENCE: INTERMEDIATE

3:10 pm - 4:00 pm

Maintenance and Operations,
Management Strategies

NFMT Talks: Maintenance

*Michael B. Cowley, CPMM, President -
CE Maintenance Solutions*

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AUDIENCE: INTERMEDIATE

Safety and Security, Throwback
Thursday

Fire Alarm/Suppression Systems: Reducing Problems, Lowering Cost

*Rick Reynolds, Vice President of
National Accounts & Southern
Region Operations Manager -
ORR Protection Systems*

Are your fire alarm/suppression systems friend or foe? Fire protection systems are installed to protect people and property, but all too often they become a problem because of false alarms or costly service calls at the most inconvenient times. This session is designed to help you reduce, if not eliminate, the Top 5 Fire Alarm/Suppression System Problems. You will learn WHY they happen and WHAT to do to fix current problems or avoid future ones. By the end of this session, you will have specific steps you may implement to reduce costly emergency service and rid yourself of those nuisance false alarms. Additionally, you will finally understand what the fire code requires for Inspection, Testing and Maintenance of your fire protection systems, saving you valuable time, money and maybe someone's life someday.

AUDIENCE: BEGINNER



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