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BUILDING OPERATING MANAGEMENT'S
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**National Facilities Management & Technology
Conference & Expo**



**March 15-17, 2011
Baltimore Convention Center
www.nfmt.com**

BUILDING OPERATING MANAGEMENT'S
NFMT
 National Facilities Management & Technology

— I N C L U D I N G —



NFMT
 CONFERENCE/EXPO



GREENTech
 conference & exposition



Facilities management is a challenging occupation. It's never boring. And the work and opportunities to improve never end. As a facilities professional, you need tools and resources. To really succeed however, you need an advantage. NFMT gives you what you need to help you operate your facilities effectively and efficiently, cut costs, and advance your career. It's free. It's your secret weapon.

GET ALL THIS FOR FREE:

- Immediate access to 120 world-class facility and maintenance experts
- 120+ educational sessions
- More than 350 vendors showcasing the latest products and technologies
- Earn CEU's and recertification credits toward various industry designations
- Access to the opening night networking party
- Free admission to the Solutions Exchange speed-learning event
- Exclusive general sessions available only at NFMT

YOUR ADVANTAGE. YOUR WAY.

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Choose from over 120 conference sessions presenting new information that boosts your job performance

■ **Network and exchange ideas with the best of the best**

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THE NFMT BLUEPRINT.

The robust show floor is organized so you can maximize your time with each of the vendors on your must-see list. Whether you need info and products that meet your operations, design, construction, safety & security, maintenance & engineering or sustainability needs, you'll find it at NFMT.

NFMT is composed of four sub-events: The flagship, National Facilities Management & Technology Conference & Expo; Maintenance Solutions Expo; Safe Buildings Expo and GreenTech Expo.

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NEW IN 2011!



NFMT Membership Club

Perks! Interested? Choose from two levels of NFMT membership packages: Platinum and Gold. As always, standard access to the conference, networking opportunities and exhibitor floor are free to all attendees.

PLATINUM MEMBERSHIP
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- Membership card with lifetime registration number
- Exclusive conference sessions (Value \$49)
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- Platinum members-only registration counter with V.I.P. service
- Badge ribbon
- NFMT shirt (value \$25)
- Daily \$5 lunch coupon (Value \$15)
- Access to exclusive building tour (Value \$25)
- Discount on pre- and post-conference workshops at NFMT

GOLD MEMBERSHIP
 (FREE)

- Membership card with lifetime registration number
- Exclusive conference session (Value \$49)
- Webcasts throughout the year (Value \$200)
- Quarterly e-Newsletter

Sign up for your membership when you register for NFMT on www.nfmt.com.

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- Construction
- Facility Management
- Buildings and Grounds
- Energy
- Physical Plant
- Security
- Building Operations
- Engineering
- Maintenance
- Property

Plus, facility professionals of all types:

- Building Owners
- Facility Managers
- Property Managers
- Engineers
- Developers
- Building Managers
- Architect

FREE SESSIONS AT-A-GLANCE

MONDAY, MARCH 14

1:00-5:00 p.m.

- PC1* Catastrophe Lab: An Emergency Preparedness Simulation Exercise
 PC2* Keys to Unlocking Sustainable Opportunities in Existing Buildings

TUESDAY, MARCH 15

8:00-8:50 a.m.

- GS FMXcellence: Learn from the Top Facility Departments

9:00-9:50 a.m.

- T1.18 LEED-EB State of the Union
 T1.21 Commissioning 101
 T1.24 Strategies to Calculate and Reduce Your Carbon Footprint
 T1.27 A Profile of a Dynamic Leader
 T1.41 CIMS-Green Building: Elevate Your Green Cleaning & Prepare for LEED
 T1.43 Business Continuity Planning
 T1.45 Automation's Impact on Benchmarking
 T1.47 Technology Infrastructure to Support Intelligent Buildings
 T1.49 Simple Light Control Strategies for Significant Energy Reduction

10:00-10:50 a.m.

- T2.21 Demystifying Green Product Standards
 T2.24 Best Practices in Energy Management
 T2.27 Keys to Successfully Manage the Second Tallest Building in Latin America
 T2.37 Retail Facilities Best Practices You Can Use
 T2.39 Align Maintenance with Business Goals
 T2.41 Are We Still Fighting the Maintenance Crisis?
 T2.43 The Benefits of Retrocommissioning: A Case Study
 T2.45 Employment Labor Law Update 2011
 T2.47 Submetering Training Camp: Tackling 'Green Facility' Energy Monitoring Issues
 T2.49 Designing and Installing Green Roofs That Work

11:00-11:50 a.m.

- T3.18 Interoperability Takes the LEED
 T3.21 Sustainability for Small Enterprises
 T3.24 Energy Audits vs. Retrocommissioning
 T3.27 Bringing Predictability and Efficiency to Failing Projects
 T3.37 Uniting IT and Facilities Teams
 T3.39 Engineering Economics 101
 T3.41 Training and Assessments for Your Maintenance Staff
 T3.43 Fire Alarm: What you need to know about Inspection, Testing and Maintenance
 T3.45 Facilities Master Plan: Supporting the Business Case
 T3.47 BIM and FM: Bridging the Divide
 T3.49 Roofing 101: A Roofing Primer for Facilities Managers

Noon-4:00 p.m.

Exhibit Hall Open

4:00-5:00 p.m.

Networking Party

WEDNESDAY, MARCH 16

7:45-8:50 a.m.

Solutions Exchange

9:00-9:50 a.m.

- W1.21 Work off Your Energy Waste: Energy Star's National Building Competition
 W1.24 Renewable Energy Certificates and your LEED Project
 W1.30 BACnet Fundamentals 101
 W1.37 Waterborne Pathogens: Keeping People Healthy
 W1.39 Single-Ply Roofing System Guidelines
 W1.43 Fire Protection for IT and Telecommunication Facilities
 W1.45 Integration of Facility Services Technology
 W1.47 Roofpoint: A Tool to Rate Environmentally Innovative Roofs
 W1.49 Harnessing the Power of LED Lighting & Controls

10:00-10:50 a.m.

- W2.18 Federal Lighting Legislation Update
 W2.21 Retrofitting for Ultra High Performance HVAC
 W2.24 ASHRAE's Building Energy Quotients (BEQ): How Does Your Facility Stack Up?
 W2.27 Preparing to Outsource Services
 W2.37 Maintenance Scorecard: Measure what you Manage
 W2.39 Plumbing Safety
 W2.41 GSA's Facilities Maintenance and Management Service Contracts for Federal Agencies
 W2.43 The Fire Department's Role in Enhancing Emergency Response Plans
 W2.45 The Commercial Real Estate Revolution
 W2.47 The Many Faces of BIM
 W2.49 Windows: Transparency / Security / Budgetary Time Bomb

11:00 a.m.-3:00 p.m.

Exhibit Hall Open

3:10-5:00 p.m.

W3.16 Virtual Building Tour

3:10-4:00 p.m.

- W3.18 Take the Mystery out Of Water Audits and ROI Calculators
 W3.21 LEED Certification: Non-Compliance Shouldn't Be Tolerated
 W3.24 A Whole-Building Approach to Energy Planning
 W3.27 Executive Briefing: Beyond Green Cleaning
 W3.37 The ABC's of OSHA Compliance
 W3.39 Resilient Flooring Goes Green: The New Sustainability Assessment Standard
 W3.41 Do You Need Double Conversion UPS with Today's Smart Grid?
 W3.47 Developing a Workforce Strategy for Sustainable Facilities Management
 W3.49 Monitoring a United States Postal Service Green Roof

4:10-5:00 p.m.

- W4.37 In-depth Look at the Four Types of Data Management Tools
 W4.39 Enhancing Water and Water Energy Resources
 W4.41 Creating Credibility to Advance Your Career
 W4.43 Ensuring Fire Safety for Food Service Operations in Commercial Facilities
 W4.45 The Greening of the Baltimore Convention Center
 W4.47 Integration of BIM and Commissioning
 W4.49 From Communication to Transformation: Leveraging Technology to Manage Your Facilities

THURSDAY, MARCH 17

8:00-8:50 a.m.

- GS Influence = Power: Keys to Becoming More Visible Within Your Organization

9:00-9:50 a.m.

- R1.18 How Building Enclosure Commissioning (and Retrocommissioning) Can Save You Money
 R1.21 How a Ronald McDonald House Went from Red and Yellow to Green
 R1.24 Maryland Energy Rebates
 R1.27 Walking the Sustainable Walk at Johnson Controls
 R1.37 I Survived a Hospital LEED Certification
 R1.39 True Cost of Aggressive Preventative Maintenance on Exterior Services
 R1.41 When Bedbugs Bite: Identifying and Responding to an Infestation
 R1.43 Creating, Implementing and Maintaining a Crisis Management Program for the 21st Century
 R1.45 Women in Facility Management: What does the Future Hold?
 R1.47 Your FCA (Facility Condition Assessment) Is Your GPS

10:00-10:50 a.m.

- R2.18 Data Centers and Green Initiatives
 R2.21 Rainwater Catchment - Whether Drizzle or Downpour
 R2.24 The New Energy Mix: Carbon, Sustainable, Alternative
 R2.27 U.S. DOE Resources for Improved Energy Efficiency of Industrial Buildings Systems
 R2.37 I Survived a JCAHO Visit
 R2.39 Changing Face of FM: A Business Case for Reliability-Centered Maintenance
 R2.41 A Review of the ADA Final Regs
 R2.43 Whole Building Design Guide
 R2.47 Carpet Specification: The Dos and Don'ts for Maximum ROI
 R2.49 Lighting the Net-Zero, High Performance Facility

11:00 a.m.-2:00 p.m.

Exhibit Hall Open

2:10-3:00 p.m.

- R3.21 Best FM Practices in Schools (and other organizations of similar size)
 R3.24 Energy Optimization Technology in Commercial Buildings
 R3.27 Are You Providing Value as an FM Leader?
 R3.39 Stop Sacrificing High Efficiency for Critical Backup Power Reliability
 R3.49 Mobile Integration for Building Management Services

3:10-4:00 p.m.

- R4.45 Getting the Most "Bang for your Buck": What Makes Enterprise FM Technologies Successful?
 R4.47 The Next Era of Lighting Controls

FRIDAY, MARCH 18

8:00 a.m.-noon

- PC3* How (and When) To Comply with ADA Final Regulations

(Schedule subject to change, please visit www.nfimt.com for up-to-date schedule)

*Workshops require a fee.

ADVANCE: \$99 for NFMT Platinum members,
 \$149 for Non-members.

ONSITE: \$249.

Register today at www.nfimt.com

TRACKS AT-A-GLANCE

As a conference attendee at NFMT, you will be privy to valuable information that you can't find anywhere else — information designed to help you exceed your professional goals. And best of all, our status as an IACET-certified CEU provider means you can maintain your designation from a variety of industry associations for FREE. If you are responsible for the management, operations or maintenance of facilities, you can't afford to miss NFMT. It's that simple.

With 120 free sessions and 10 tracks to choose from, you can customize your learning experience.

BUSINESS CONTINUITY

- PC1 Catastrophe Lab: An Emergency Preparedness Simulation Exercise*
- T1.43 Business Continuity Planning
- W1.43 Fire Protection for IT and Telecommunication Facilities
- W3.41 Do you need Double Conversion UPS with Today's Smart Grid?
- R3.39 Stop Sacrificing High Efficiency for Critical Backup Power Reliability

ENERGY EFFICIENCY, UPGRADES AND UTILITIES

- T1.24 Strategies to Calculate and Reduce Your Carbon Footprint
- T1.49 Simple Light Control Strategies for Significant Energy Reduction
- T2.24 Best Practices in Energy Management
- T2.43 The Benefits of Retrocommissioning: A Case Study
- T2.47 Submetering Training Camp: Tackling 'Green Facility' Energy Monitoring Issues
- T3.24 Energy Audits vs. Retrocommissioning
- T3.37 Uniting IT and Facilities
- W1.21 Work Off Your Energy Waste: The Energy Star National Building Competition
- W1.24 Renewable Energy Certificates and your LEED Project
- W2.24 ASHRAE's Building Energy Quotient (BEQ): How Does Your Facility Stack Up
- W3.18 Take the Mystery out Of Water Audits and ROI Calculators
- W3.24 A Whole-Building Approach to Energy Planning
- R1.24 Maryland Energy Rebate Overview
- R1.27 Walking the Sustainable Walk at Johnson Controls
- R2.18 Data Centers and Green Initiatives
- R2.24 The New Energy Mix: Carbon, Sustainable, Alternative
- R2.27 U.S. DOE Resources for Improved Energy Efficiency of Industrial Buildings Systems
- R2.49 Lighting the Net-Zero, High Performance Facility
- R3.24 Energy Optimization Technology in Commercial Buildings

GREEN STANDARDS — Sponsored by



- T1.18 LEED-EB State of the Union
- T2.21 Demystifying Green Product Standards
- W1.24 Renewable Energy Certificates and your LEED Project
- W2.18 Federal Lighting Legislation Update
- W3.16 Virtual Building Tour — Your Blueprint for ROI
- W3.21 LEED Certification: Non-Compliance Shouldn't Be Tolerated
- W3.47 Developing a Workforce Strategy for Sustainable Facilities Management
- W4.39 Enhancing Water and Water Energy Resources
- R1.27 Walking the Sustainable Walk at Johnson Controls
- R1.37 I Survived a Hospital LEED Certification

*Workshops require a fee.

ADVANCE: \$99 for NFMT Platinum members,
\$149 for Non-members.

ONSITE: \$249.

GREENING AN EXISTING BUILDING — Sponsored by



- PC2 Keys to Unlocking Sustainable Opportunities in Existing Buildings*
- T1.21 Commissioning 101
- T1.41 CIMS-Green Building: Elevate Your Green Cleaning & Prepare for LEED
- T2.49 Designing and Installing Green Roofs That Work
- T3.24 Energy Audits vs. Retrocommissioning
- W1.47 Roofpoint: A Tool to Rate Environmentally Innovative Roofs
- W1.49 Harnessing the Power of LED Lighting & Controls
- W3.16 Virtual Building Tour — Your Blueprint for ROI
- W3.18 Take the Mystery out Of Water Audits and ROI Calculators
- W3.27 Executive Briefing: Beyond Green Cleaning - The Emerging Technologies
- W3.39 Resilient Flooring Goes Green: The New Sustainability Assessment Standard
- W3.49 Monitoring a United States Postal Service Green Roof
- W4.41 Creating Credibility to Advance Your Career
- W4.45 The Greening of the Baltimore Convention Center
- R1.18 How Building Enclosure Commissioning (and Retrocommissioning) Can Save You Money
- R1.21 How a Ronald McDonald House Went from Red and Yellow to Green
- R2.21 Rainwater Catchment — Whether Drizzle or Downpour
- R2.49 Lighting the Net-Zero, High Performance Facility

LEADERSHIP AND CAREER ADVANCEMENT

- T1.27 A Profile of a Dynamic Leader
- T2.27 Keys to Successfully Managing the Second Tallest Building in Latin America
- T3.27 Bringing Predictability and Efficiency to Failing Projects
- W4.41 Creating Credibility to Advance Your Career
- RG5 Influence = Power: Keys to Become More Visible Within Your Organization
- R1.45 Women in Facility Management: What does the Future Hold?
- R3.27 Are You Providing Value as an FM Leader?

MAINTENANCE AND OPERATIONS

- T2.39 Align Maintenance with Business Goals
- W1.39 Single-Ply Roofing System Guidelines to Enhance Performance
- W2.21 Retrofitting for Ultra High Performance HVAC
- W2.37 Maintenance Scorecard: Measure what you Manage
- W2.39 Plumbing Safety
- W2.41 GSA's Facilities Maintenance and Management Service Contracts for Federal Agencies
- R1.39 True Cost of Aggressive Preventative Maintenance on Exterior Services
- R1.41 When Bedbugs Bite: Identifying and Responding to an Infestation
- R2.37 I Survived JCAHO
- R2.39 Changing Face of FM: A Business Case for Reliability-Centered Maintenance



NFMT is now certified by the International Association for Continuing Education and Training (IACET) to offer approved Continuing Education Units (CEUs) for all training programs. Attendees who complete educational sessions can use NFMT-issued CEUs to maintain professional designations from organizations such as The American Institute of Architects, IFMA, Association for Facilities Engineering and BOMI, as well as state and local licensing boards.

SAFETY AND SECURITY

- PC3 How (and When) To Comply with ADA Final Regulations*
- T3.43 Fire Alarm: What you need to know about Inspection, Testing and Maintenance
- W1.37 Waterborne Pathogens: Keeping People Healthy in the Building
- W2.43 The Fire Department's Role in Enhancing Emergency Response Plans
- W3.37 The ABC's of OSHA Compliance – Protecting People, Property and Profits
- W4.43 Ensuring Fire Safety for Food Service Operations in Commercial Facilities
- R1.43 Creating, Implementing and Maintaining a Crisis Management Program for the 21st Century
- R2.41 A Review of the ADA Final Regs
- R3.37 I Survived a Natural Disaster

STAFF TRAINING AND DEVELOPMENT

- T2.41 Are We Still Fighting the Maintenance Crisis?
- T2.45 Employment Labor Law Update 2011
- T3.41 Training and Assessments for Your Maintenance Staff
- W4.41 Creating Creditability to Advance Your Career
- R.145 Women in Facility Management

STRATEGIC PLANNING

- T1.41 CIMS-Green Building: Elevate Your Green Cleaning & Prepare for LEED
- T2.37 Retail Facilities Best Practices You Can Use
- T2.39 Align Maintenance with Business Goals
- T3.39 Engineering Economics 101
- T3.45 Facilities Master Plan: Supporting the Business Case
- TG5 FMXcellence: Learn from the Top Facility Departments
- W1.45 Integration of Facility Services Technology: A Winning Combo
- W2.27 Preparing to Outsource Services

- W2.45 The Commercial Real Estate Revolution
- R1.47 Your FCA (Facility Condition Assessment) Is Your GPS
- R2.41 A Review of the ADA Final Regs
- R3.21 Best FM Practices in Schools (and other organizations of similar size)

TECHNOLOGY

- T1.45 Automation's Impact on Benchmarking
- T1.47 Technology Infrastructure to Support Intelligent Buildings
- T3.18 Interoperability Takes the LEED
- T3.47 BIM and FM: Bridging the Divide
- T3.49 Roofing 101: A Roofing Primer for Facilities Managers
- W1.30 BACnet Fundamentals 101
- W1.49 Harnessing the Power of LED Lighting & Controls
- W2.30 Integration and Interoperability Opportunities with BACnet
- W2.47 The Many Faces of BIM
- W2.49 Windows: Transparency / Security / Budgetary Time Bomb
- W3.18 Take the Mystery out Of Water Audits and ROI Calculators
- W3.27 Executive Briefing: Beyond Green Cleaning - The Emerging Technologies
- W3.39 Resilient Flooring Goes Green: The New Sustainability Assessment Standard
- W4.47 Integration of Building Information Modeling and Commissioning
- W4.49 From Communication to Transformation: Leveraging Technology to Manage Your Facilities
- R2.43 Whole Building Design Guide
- R3.24 Energy Optimization Technology in Commercial Buildings
- R3.49 Mobile Integration for Building Management Services
- R4.45 Getting the Most "Bang for your Buck": What Makes Enterprise FM Technologies Successful?
- R4.47 The Next Era of Lighting Controls

Pre-Conference Workshops* - Monday, March 14 - 1:00 - 5:00pm

Business Continuity

PC1 Catastrophe Lab: 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.

Learning Objective(s):

1. Understand the basic principles of emergency management and how they apply to business continuity planning and effective risk management
2. Understand the importance of creating, maintaining, and testing a business continuity plan
3. Experience first-hand the problems that can result from a poorly developed, poorly executed, or non-existent plan
4. Have an opportunity to share personal experiences with colleagues regarding business continuity challenges
5. Discuss lessons learned from both previously experienced disasters and future disasters that could affect your organization

AUDIENCE: BEGINNER CEU 0.4

*Workshops require a fee.

ADVANCE: \$99 for NFMT Platinum members, \$149 for Non-members.
ONSITE: \$249.

Greening an Existing Building

PC2 Keys to Unlocking Sustainable Opportunities in Existing Buildings

Michael D. Army, President, Leonardo Academy, Inc.

The push to incorporate sustainability into a facility's overall operations and maintenance plan is on the rise, and many facility managers struggle with where – and how – to initiate the greening process in their existing buildings. This workshop will help attendees understand the scope of the project, from analyzing current energy and resource use to developing a strategy and finally to implementing that plan in the building.

From a thorough analysis of how a building's energy, water materials, waste and indoor air quality are managed, facility managers can develop a reliable method for benchmarking building performance and create a holistic sustainability plan, as well as a guide to energy cost savings.

Attendees will learn how tools such as LEED-EBOM, Energy Star and the new ASHRAE Standard for the Design of High-Performance, and Green Buildings can be used as instruments for developing a sustainable facility management plan. Finally attendees will gain tips and suggestions on how to implement the sustainability plan with team members, employees and tenants.

Learning Objective(s):

1. Understand the key areas of sustainability in existing buildings
2. Comprehend how to use various programs as tools to benchmark a facility's energy use
3. Understand the true costs of sustainable initiatives
4. Learn how to forecast achievable cost savings
5. Identify strategies to implement a sustainability program in your building

AUDIENCE: BEGINNER CEU 0.1

EDUCATIONAL SESSIONS

Tuesday, March 15

9:00 AM

Green Standards

T1.18 LEED-EB State of the Union

Michael D. Army, President, Leonardo Academy, Inc.;
Stuart J. Carron, P.E., Director, Global Facilities & Real Estate, Diversey, Inc.;
Paul von Paumgarten, Director, Energy and Environmental Affairs, Johnson Controls, Inc.

This session gathers LEED's pioneers for a discussion on how LEED-EB has evolved into a tool that facility professionals can (and should) use to assess their buildings, develop a green strategy and implement sustainable initiatives in their organization.

AUDIENCE: INTERMEDIATE CEU 0.1

Greening an Existing Building

T1.21 Commissioning 101

Dr. David R. Hale, CPMM, Consultant, David R. Hale Consulting
Learning Objective(s):

1. Learn the basic considerations to make before commissioning
2. Understand the documentation needed
3. Understand the managerial and personnel support needed

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities

T1.24 Strategies to Calculate and Reduce Your Carbon Footprint

Mayra Portalatin, Project Manager, Facility Engineering Associates, PC

Have you been asked what your carbon footprint is? Do you know how many tons of carbon dioxide your organization emits per year? Attending this session will introduce participants to the carbon footprint and the elements you needed to calculate the footprint of your facility and/or your organization. We will identify why carbon footprint is important and how it relates to existing buildings. This session will walk you through how to calculate your carbon footprint, the data that needs to be collected.

Learning Objective(s):

1. Identify and recognize why your carbon footprint is important
2. Discover how to calculate your carbon footprint
3. Apply practical ways to reduce your carbon footprint

AUDIENCE: BEGINNER CEU 0.1

Leadership and Career Advancement

T1.27 A Profile of a Dynamic Leader

James E. Barbush, Facilities Contracts Manager, Pennsylvania State System Of Higher Education

Attend this session to hear an enthusiastic discussion on how to develop your own personal leadership profile to carry you to continued success, affect everything around you positively, draw people to you, take you into new ventures which you may have limited yourself from, and put you in the "sweet spot" of your life. You can further develop your leadership skills to be more vibrant and dynamic using your personal life experiences, the pursuit of knowledge through varied forms of continuing education, understanding and developing yourself, resulting in utilization of your passions and skills in your work.

Learning Objective(s):

1. Describe a profile of a vibrant and dynamic leader who can affect situations and people creating positive results and success stories
2. Describe how situations and people are affected by various aspects of this profile
3. Describe how the leader is personally affected and developed by living in this profile

AUDIENCE: BEGINNER CEU 0.1

Greening an Existing Building, Strategic Planning

T1.41 CIMS-Green Building: Elevate Your Green Cleaning & Prepare for LEED

Dan Wagner, Director of Facility Service Programs, ISSA

Facility managers have begun to understand how the Cleaning Industry Management Standard can be used to identify third-party cleaning service providers that are professional, customer-focused and capable of delivering on their promise. Now, with the addition of the CIMS-Green Building criteria, which outlines the necessary elements of effective green cleaning, facility professionals can ensure that their cleaning provider has not only implemented an effective management structure, but is also capable of delivering a comprehensive green cleaning program, positioning them to partner in the facility's commitment to sustainability, as well as the LEED:EBOM certification process.

Learning Objective(s):

1. Understand how CIMS-Green Building can ensure a third-party cleaning service provider partner with a facility professional for a successful sustainability and LEED-EBOM program
2. Understand how the ISSA Cleaning Industry Management Standard and CIMS-Green Building criteria provide a framework for the development of an effective green cleaning program
3. Understand the key elements of a comprehensive green/sustainable cleaning program
4. Understand how effective cleaning and its role in protecting public health is necessary

AUDIENCE: BEGINNER CEU 0.1

General Session - Tuesday 8:00-8:50 am

Strategic Planning

FMXcellence: Learn from Top Facility Departments

R.C. Herrin, Executive Director of Maintenance and Operations, Hays Consolidated Independent School District;
Mike Enneking, Director, Office of Facilities Management, State of Oklahoma;
John J. Zurinkas, Vice President, The PNC Financial Services Group;
Peter Strazdas, Associate Vice President, Western Michigan University;
Phil Berman, Executive Director, Charlotte-Mecklenburg Schools Building Services

Building Operating Management magazine created the FMXcellence Recognition Program to acknowledge FM teams that embrace and respond to their organization's initiatives. Whether it is sustainability, cost cutting, or a construction or renovation project, the FM function plays an important role in achieving results for the organization.

Attend this year's program to hear from the 2010 honorees and learn about the projects that distinguished them from their peers. This session will help re-invigorate attendees to return to their department and tackle those pending projects and be an honoree in 2011.

Learning Objective(s):

1. Hear an overview of the FMXcellence projects honored
2. Get insights from facilities managers on meeting challenging demands
3. Gain real life advice on how to motivate your team
4. Understand how to express to the true value of facility management

AUDIENCE: CEU 0.1



Business Continuity

T1.43 Business Continuity Planning

Bob Mellinger, President, Attainium Corp.

AUDIENCE: INTERMEDIATE CEU 0.1

Technology

T1.45 Automation's Impact on Benchmarking

Peter S. Kimmel, AIA, IFMA Fellow, Principal, FM

BENCHMARKING, Publisher, FMLink

Learning Objective(s):

1. Understand how benchmarking can be used to improve building performance
2. Understand how benchmarking can be applied to save energy and promote sustainability
3. Recognize how benchmarking will reduce buildings operating costs
4. Learn how to apply benchmarking to your facility

AUDIENCE: INTERMEDIATE CEU 0.1

Technology

T1.47 Technology Infrastructure to Support Intelligent Buildings

Christian Lindmark, Associate Principal, Technology, M+NLB

All buildings will eventually be built or retrofitted with intelligent system management and automation capabilities. Facility managers must understand exactly what this means and what technology must be implemented to support and manage an intelligent building. This presentation will discuss fiber optics, wireless, distributed antenna systems, and networking equipment required to support an intelligent building. Many of these aforementioned systems are typically managed by the IT department, but IT departments don't understand facilities. Facility managers must help the IT department understand why and how to design the technology infrastructure.

Learning Objective(s):

1. Define intelligent buildings
2. Understand technology infrastructure needed to support intelligent building
3. Grasp how intelligent building systems work with each other
4. Understand the cost and implementation strategies

AUDIENCE: INTERMEDIATE CEU 0.1

Energy Efficiency, Upgrades and Utilities

T1.49 Simple Light Control Strategies for Significant Energy Reduction

Ian Rowbottom, PhD, Principal Application Engineer, Lutron Electronics Co., Inc.

Effective light management reduces operating costs, increases property values and saves significant energy. Simple light control strategies such as occupancy/vacancy sensing, personal dimming control and timeclock scheduling used in combination can save up to 60 percent of lighting energy used in a commercial building. Learn how these sustainable practices can improve your bottom line, increase occupant productivity and comfort, and create a more flexible space.

Learning Objective(s):

1. Learn about energy-saving light control strategies
2. Understand how light control strategies can be utilized in a retrofit installation
3. Learn how light control can be easily used in combination with other building controls for maximum effectiveness

AUDIENCE: INTERMEDIATE CEU 0.1

10:00 AM

Commercial Office, Government, Green Standards, Medical, Multi-Tenant, Retail

T2.21 Demystifying Green Product Standards

Tim Cole, Director of Environmental Initiatives and Product



Development, North America, Forbo Flooring

Bill Gregory, Director of Sustainability, Milliken

What's an FM to do? Standards, regulations and certifications are proliferating at a staggering pace for green products. What do they mean? What are the criteria? What is useful? The presenter charts a path through the maze of choices with tips on making the standards work for you. In straightforward language, the speakers offer questions to guide decisions that will demystify what FMs need to know in meeting daily performance demands.

Learning Objective(s):

1. Understand the types of green standards and apply them to address FM green product selection
2. Evaluate which standards meet criteria for specific projects
3. Compare standards as they relate to building operations

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities

T2.24 Best Practices in Energy Management

Richard G. Lubinski, CEM, CDSM, CSDP, CEMSC, BEP, President, Think Energy Management LLC

Would you like to avoid the BS and cut to the chase to discover real energy conservation measures (ECMs) that work? Learn about ECMs with real payback and proven ROI based on independent measurement and verification (M&V) of the actual savings. Review realistic and conservative energy calculations (no salesmen's claims or misleading govt. public service announcements). Learn about energy management 'best practices'. There are no short cuts in life or energy management. Let's talk about the REAL GREEN – money.

Learning Objective(s):

1. Understand energy conservation measure
2. Understand the real payback time and ROI on projects
3. Learn energy management best practices

AUDIENCE: BEGINNER CEU 0.1

Leadership and Career Advancement

T2.27 Keys to Successfully Managing the Second Tallest Building in Latin America

Felipe Flores, Building Manager, Torre Mayor (Mexico City)

AUDIENCE: CEU 0.1

Strategic Planning, Retail

T2.37 Retail Facilities Best Practices You Can Use

Patricia Dameron, Executive Director, Professional Retail Store Maintenance Association;

Paul Walsh, Dir. of Vendor Mgmt, Corporate Architecture, Construction & Facilities, Gap, Inc.

Join us for an engaging discussion about Retail Facilities Management Best Practices. This is an exchange of maintenance best practices in place at major retailers that save money and are more efficient while still maintaining the brand's image and safety. PRSM Association Board President Paul Walsh and Executive Director Patricia Dameron will present best practices employed by the nation's leading retailer and suppliers fostering operational efficiencies and cost savings you can use in your facilities. The discussion is based on mini white

papers included in PRSM's recently released Best Practices Book, and cover how retailers do business, hire contract services, and use efficient business practices to leverage their multi-site locations to realize cost containment, minimize store employee responsibilities, and support their sustainability initiatives.

Learning Objective(s):

1. Learn how retailers do business, hire contract services, and use efficient business practices
2. Understand how retailers leverage their multi-site locations to realize cost containment, minimize store employee responsibilities, and support their sustainability initiatives
3. Comprehend what current sustainability initiatives retailers are undergoing

AUDIENCE: CEU 0.1

Maintenance and Operations, Strategic Planning

T2.39 Align Maintenance with Business Goals

Neil Maldeis, Energy Engineering Manager, Trane Commercial Systems

Preventive maintenance is a major element, but not the only element, in an effective maintenance process that prevents systems interruptions. Redesigning your overall maintenance strategy using monitoring and predictive technologies can help you achieve optimal building performance. A seven step process for optimizing your maintenance program to align it with overall business goals will be outlined in this presentation. Discussion will include: understanding your company's current business needs, ranking systems criticality, evaluating current maintenance activities, eliminating wasted labor and materials, and applying the appropriate technology to maximize the impact of your maintenance budget and reduce operating costs.

Learning Objective(s):

1. Understand how your maintenance needs are affected by your company's current business needs
2. Identify how to evaluate your current maintenance activities
3. Learn what is necessary for a maintenance program to align with your business goals
4. Walk away with tips for aligning your maintenance program with company goals

AUDIENCE: INTERMEDIATE CEU 0.1

Staff Training and Development

T2.41 Are We Still Fighting the Maintenance Crisis?

Joel Leonard, Host, SkillTV.net

More and more companies are feeling the symptoms of the maintenance crisis. Deferred maintenance is reaching chronic levels as current equipment continues to age. While sophisticated, new equipment needs more care, attention and custom configuration. Companies are struggling to find internal talent that has the skills and education to replace the retiring baby boomers. Attend this session to discover some proven solutions to this crisis, discuss innovative approaches to thrive in this adverse business environment.

Learning Objective(s):

1. Comprehend the current state of the maintenance industry
2. Understand the technical skill gaps of incumbent workforce
3. Understand where to find technicians

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities

T2.43 The Benefits of Retrocommissioning: A Case Study

Joe Watson, Senior Project Engineer, E3 Designs

Last year, the Energy Analysis Group at the Department of Energy's Berkeley Labs published a cost-benefit assessment of building commissioning and monitoring based commissioning. The study included building commissioning data from over 600 buildings representing 100 million square feet. The results demonstrate that commissioning is arguably the single-most cost-effective strategy for reducing energy, costs, and greenhouse gas emissions in buildings today. This session will present the key findings including assessments of the impact of commissioning on building system performance as well as the long-term economic impact from a properly implemented commissioning program. Also to be included is a case study from a large commercial office building where the re-commissioning study was undertaken and the recommendations were implemented, along with an assessment of the actual savings achieved.

Learning Objective(s):

1. Review the economic benefits of commissioning
2. Understand a methodology for measuring and improving building

system performance

3. Provide an overview of a complete re-commissioning project from initial assessments through implementation and verification.

AUDIENCE: BEGINNER CEU 0.1

Staff Training and Development

T2.45 Employment Labor Law Update 2011

John E. Cruickshank, Attorney, Alaniz & Schraeder

Join an expert labor and employment attorney, as he outlines "real world" ways employers can remain in compliance and steer clear of legal trouble regarding OSHA guidelines and harassment and retaliation laws. Understand how federal employment laws affect employer/employee relationships. He provides business-critical labor and employment law updates as they relate to the facilities management industry, and learn about relevant case examples to better understand how these laws impact daily operations.

Learning Objective(s):

1. Understand how new federal employment laws affect your relationship with your employees
2. Know how to draft an effective anti-harassment policy
3. Provide OSHA labor law updates and guidelines as they relate to the facilities management industry

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities, Multi-Tenant

T2.47 Submetering Training Camp: Tackling 'Green Facility' Energy Monitoring Issues

Jack Group, Eastern Regional Manager, E-Mon, LLC

Attend the session to get an overview of electric submetering applications, including load profiling, cost allocation, tenant billing, measurement and verification, and energy management. A survey of submetering equipment, installation and operations will follow, including real-world facility case studies, focusing on cost-reduction and energy-savings opportunities through submetering. The presentation will conclude with a look at how facility managers can use submeters to maximize their operational dollar through LEED, EPCAT, Demand Response, Renewable Energy and other energy initiatives.

Learning Objective(s):

1. Appreciate how submeters can be used to positively impact the facility bottom lines through implementation
2. Learn how submeters can be used to increase and promote environmental awareness
3. Understand features, advantages and benefits of various types of commercially available submetering equipment

AUDIENCE: BEGINNER CEU 0.1

Commercial Office, Government, Greening an Existing Building

T2.49 Designing and Installing Green Roofs That Work

Eric J. Seaverson, P.E., Manager, Restoration Group, StructureTec

Green roofs have many benefits, but also come with challenges, mainly with regards to leakage. Green roofs are significantly more complicated than a standard roof. This is primarily due to the fact that the membrane is buried (making repairs difficult) and that the membrane never dries. Reliable design and construction of a green roof requires a shift in thinking to considering the area as a "plaza" instead of a roof.

Learning Objective(s):

1. Understand the difference between green roof systems and a standard roof
2. Learn about proper design and construction of reliable green roof systems
3. Understand the importance of the weatherproofing aspects of a green roof system

AUDIENCE: BEGINNER CEU 0.1

11:00 AM

Multi-Tenant, Technology

T3.18 Interoperability Takes the LEED

Steve Tom, P.E., PhD, Director of Technical Information, Automated Logic Corp.

The Banner Bank building in Boise, ID was one of the world's first LEED Platinum facilities. The 11-story building was designed to be a showcase of green building design concepts, but there was one problem: the controls system did not live up to the design. Plagued by contract and installation problems, the original controls contractor walked off the job. Attend this session to learn how the interoperability of BACnet allowed the project to still be successful.

Learning Objective(s):

1. Understand how BACnet allowed control components made by different vendors to be integrated into a high performance control system
2. Understand some of the control strategies that reduced energy use
3. Understand how BACnet interoperability saved energy and improved occupant comfort
4. Understand how web services can allow a BAS to use weather forecasts to use a night purge routine to precool a building

AUDIENCE: BEGINNER CEU 0.1

Green Standards, Greening an Existing Building, Strategic Planning

T3.21 Sustainability for Small Enterprises

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

Not every facility department has the resources of a multinational manufacturer or major corporation at its disposal. In fact, most organizations cannot afford to hire a sustainability consultant. This session is intended for those "small guys" who are not able to make sustainability reporting a full-time job, and will address the appropriate, low/no-cost first steps that can ease the transition to a more sustainable approach to management.

Learning Objective(s):

1. Understand how to prioritize sustainability as an organizational goal
2. Learn how to incorporate sustainable initiatives into an existing budget
3. Communicate green/sustainable objectives to other staff and departments

AUDIENCE: INTERMEDIATE CEU 0.1

Energy Efficiency, Upgrades and Utilities, Greening an Existing Building

T3.24 Energy Audits vs. Retrocommissioning

Pete Arnoldt, Sales Consultant, RCx Building Diagnostics;

Katie Flynn, Energy Engineer, RCx Building Diagnostics

To reduce operating costs by improving the energy efficiency in a building, an energy audit or retrocommissioning project is the perfect starting point. However, it can be difficult to understand the difference between the two processes, and to determine the best option for your building. Before taking on any building performance improvement project, it is vital for a building owner or operator to outline specific goals in order to choose the best course of action for building improvement.

Learning Objective(s):

1. Understand the differences (& similarities) between energy audits and retrocommissioning services
2. Determine when one service is applicable versus the other
3. Identify the scope of work that should be provided with each service expected results and the overall benefits of each individual service
4. Know what to look for in an auditor and/or retrocommissioning service provider as well as anticipated service costs

AUDIENCE: INTERMEDIATE CEU 0.1

Leadership and Career Advancement

T3.27 Bringing Predictability and Efficiency to Failing Projects

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

Have you tried to implement measurements? Is your organization so large that it seems impossible to bring change? Have you tried what experts have advised and realize the only thing you need is more expertise? Be introduced to a paradigm that is simple, effective, already proven in the most stubborn bureaucracies, brings great value in terms of efficiency and results (minimized time and cost deviations) and brings the best performers to your organization. Stop listening to "flavor of the day" ideas and join us in learning a results proven methodology to project/risk/facility management without being a technical expert.

Learning Objective(s):

AUDIENCE: INTERMEDIATE CEU 0.1

Energy Efficiency, Upgrades and Utilities

T3.37 Uniting IT and Facilities Teams

Paul Oswald, President, Environmental Systems, Inc.

Chip Pieper, VP, Business Development, Scientific Conservation

With the rapid convergence between the traditional facilities business and the IT industry, a vastly different model of managing energy assets and sustainability objectives for the organization is upon us. In this session, attendees will understand the types of technology trends that will profoundly impact the facilities business company-wide, and explore how to maximize strengths and mitigate the risks between these two lines of business.

Learning Objective:

1. Understand technology trends impacting the facilities business
2. Define the power of "analytics" to make better business decisions
3. Build the business case for "solution integration" and extend your current investments
4. Break down IT and facilities barriers and build bridges to create value to the enterprise
5. Be more effective in achieving results that impact business decision making

AUDIENCE: INTERMEDIATE CEU 0.1

Education, Strategic Planning

T3.39 Engineering Economics 101

David Patnaude, CPE, Director of Plant and Sustainability, Riverdale County School, Bronx, NY

This presentation will explore the fundamentals of life cycle cost analysis as it relates to capital investing. Engineering economics can be used in the decision making process for cost-to-benefit comparisons e.g. comparing a solar hot-water heating system to a standard gas-fired hot-water heating system or a fuel-cell power plant to a gas-fired micro-turbine power plant. This presentation covers the ethics of financial analysis, pro-forma analysis, and financial terminology common to capital investment. Attendees will be supplied with Excel worksheets and formulas to take back to their job.

Learning Objective(s):

1. Comprehend how to conduct a life cycle cost analysis
2. Understand common financial terminology
3. Understand how to better use MS Excel

AUDIENCE: INTERMEDIATE CEU 0.1

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Staff Training and Development

T3.41 Training and Assessments for Your Maintenance Staff

Bill Goebel, President, MPACT Maintenance & Reliability Solutions

Attracting, training, incentivizing, and retaining top talent is key for high performance organizations. This conference session will make the business case for increasing the emphasis on training and development and show that improving worker learning yields an exponential increase in productivity, competitiveness, and long-term performance. Attendees will learn how to establish a training process, apply assessment techniques for current and future workforce needs, and close the knowledge gap through training to meet corporate goals.

Learning Objective(s):

1. Understanding of latest trends in training and assessment
2. Learn how to handle and address skilled employee shortage
3. Learn how to handle reduced staff in reliability and maintenance staffs
4. Calibrate new hires to your existing workforce

AUDIENCE: INTERMEDIATE CEU 0.1

Safety and Security

T3.43 Fire Alarm: What you need to know about Inspection, Testing and Maintenance

Steve Carter, Vice President of Engineering, ORR Protection Systems

Fire alarm systems are installed to protect people, the building and its contents, but sometimes they become more of a problem than a protector. By properly "inspecting, testing and maintaining" your fire systems, you can avoid most, if not all these common problems. If there ever was a fire, you will be held responsible; therefore just hiring any company and trusting they will do what is required by law to inspect your fire system is not enough. You need to know what the NFPA code requires for proper inspection and testing of your fire system. This session will help you to understand code requirements, what records to keep and how to properly maintain your systems to reduce or even eliminate those costly emergency calls and false alarms.

Learning Objective(s):

1. Have a better understanding of NFPA Standards
2. Learn the importance of training
3. Comprehend the difference between inspection, testing, and maintenance

AUDIENCE: BEGINNER CEU 0.1

Strategic Planning

T3.45 Facilities Master Plan: Supporting the Business Case

Jim Turner, Senior Associate, AECOM

Budget pressures are nothing new to facilities managers, whether they work in a corporation or the public sector. This session discusses a six step 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.

Learning Objective(s):

1. Learn how to collect and analyze comprehensive facilities data and compare it to relevant facilities benchmarks
2. Learn how to identify opportunities to minimize financial shortfall and reduce the deferred maintenance backlog
3. Construct a business case model that can be used to pursue opportunities and justify future facilities funding requests
4. Create a road map to implement the facilities master plan

AUDIENCE: BEGINNER, INTERMEDIATE CEU 0.1

Technology

T3.47 BIM and FM: Bridging the Divide

Marty Chobot, Vice President, FM: Systems

Building Information Modeling (BIM) has proved its value in building design and construction. But how can BIM data support the operational functions of facility management? How are the early adopters using BIM and what is the potential impact on the industry? This session will discuss new approaches to help you leverage the spatial and systems information in BIM models to improve space, occupancy and maintenance management, and how to assess using BIM for your organization.

Learning Objective(s):

1. Attendees will learn more about BIM and the advantages of incorporating it into a facility operations and management strategy
2. Attendees will learn how BIM could change the FM Industry
3. Attendees will learn how to assess using BIM for their organization

AUDIENCE: BEGINNER CEU 0.1

Technology

T3.49 Roofing 101: A Roofing Primer for Facilities Managers

Karen L. Warseck, AIA, President, Building Diagnostics Associates,

Learning Objective(s):

1. Learn how to know when you need a new roof or whether to re-cover or tear off
2. Understand what to look for in a good contractor and what aspects should be in an RFP
3. Understand what to do after the new roof is put on

AUDIENCE: BEGINNER CEU 0.1

Wednesday, March 16

7:45 AM

Solutions Exchange

Pratt Street Lobby

9:00 AM

Energy Efficiency, Upgrades and Utilities, Green Standards

W1.21 Work off Your Energy Waste: The Energy Star National Building Competition

Learn energy efficiency strategies from peers who participated in the Energy Star National Building Competition. In a live round-table format, speakers including the winner of the contest, will speak candidly about what worked and didn't for them in their quest to slash their energy use intensity.

Learning Objective(s):

1. Learn about the National Building Competition
2. Learn about Energy Star tools available to track your energy consumption



- Hear real-life experiences regarding increasing the energy efficiency in commercial, higher education and healthcare facilities

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities, Green Standards

W1.24 Renewable Energy Certificates and your LEED Project

Scott Maloney, Renewable Energy Program Manager, Carbon Solutions Group

Renewable energy certificates can be used to achieve up to six green power points within the USGBC's LEED rating system for existing buildings. This presentation will explain exactly what renewable energy certificates are and how they are used to achieve LEED points. It will also discuss ways other environmental assets can be used within the built environment to reduce carbon dioxide emissions and lead to a greener future within buildings.

Learning Objective(s):

- Obtain a comprehensive understanding of renewable energy certificates and how they can be used to achieve LEED points
- Uncover and clarify common misconceptions and misuses of renewable energy certificates
- Outline how LEED green building & development can utilize multiple environmental assets and other products in the future to promote sustainable project development in the built environment

AUDIENCE: BEGINNER CEU 0.1

Technology

W1.30 BACnet Fundamentals 101

Roy Kolasa, Open Systems Integration Manager, Honeywell

This session covers BACnet basics including the history, and benefits in utilizing BACnet for Open System integration and interoperability with building specific features and tools to simplify implementation.

Learning Objective(s):

- Understand the strong foundation created by the BACnet standard, and the value of implementing BACnet versus other building automation protocols
- Specific BACnet operational features and tools available to facilitate BACnet configuration

AUDIENCE: BEGINNER CEU 0.1

Safety and Security

W1.37 Waterborne Pathogens: Keeping People Healthy in the Building

Janet Stout, PhD, Director, Special Pathogens Laboratory

Facility water systems are vulnerable to colonization of waterborne pathogens, including antibiotic resistant bacteria and bacteria that survive inside amoebae. Outbreaks of community-acquired and hospital-acquired Legionnaires' disease continue to occur. Legionella pneumophila is one of the most deadly waterborne pathogens to infect patients in both the acute and long-term care settings. In response to this continued threat, new methods for monitoring and disinfecting water systems have evolved. Guidance documents from the World Health Organization, the Veterans Affairs Healthcare System, the New York Department of Health, and the American Society of Heating, Refrigeration and Air-conditioning Engineers (ASHRAE) will be reviewed.

Learning Objective(s):

- Identify waterborne pathogens that pose a risk of infection in building water systems
- Know the various environmental reservoirs for these organisms plus methods of detection and prevention through environmental interventions
- Learn approaches to assessing and managing the risk from waterborne pathogens (including Legionnaires' disease) from utility water systems: Do's and Don'ts
- Know the status of guidance documents, including the ASHRAE Legionella Standard SPC-188, and the potential impact on utility system operation and maintenance

AUDIENCE: BEGINNER CEU 0.1

Maintenance and Operations

W1.39 Single-Ply Roofing System Guidelines to Enhance Performance

David Slick, Associate Principal, Simpson Gumpertz & Heger, Inc.; Philip Frederick, Staff Engineer, Simpson Gumpertz & Heger Inc.

Single-ply roofing systems are installed on many types of buildings, regardless of building age or use. Regardless of membrane type, all single-ply roofing systems have the same basic components. Proper design and installation of these components are critical to single-ply roofing system durability and performance. This session provides an overview of single-ply roofing system components, discusses basic concepts of good system design, highlights key issues to monitor during installation, and discusses the consequences when good design concepts are ignored and installation quality falters.

Learning Objective(s):

- Review the components of single-ply roofing systems
- Learn the concepts of good single-ply roofing system design
- Know key issues to monitor during single-ply roofing system installation
- Understand the consequences of improper design and installation

AUDIENCE: INTERMEDIATE CEU 0.1

Business Continuity, Data Center

W1.43 Fire Protection for IT and Telecommunication Facilities

Mark L. Robin, PhD, Senior Technical Services Consultant, DuPont

As dependence on computers and other electronic equipment increases throughout the world, the importance of providing proper fire protection for these critical assets has increased. In this lecture we will first discuss the characteristics of electronic equipment relevant to fire suppression system selection and operation, including commonly encountered materials of construction and their combustion properties, fire loads present in typical IT facilities, and the susceptibility of various types of electronic equipment to damage due to water, heat, smoke and combustion products. The characteristics of potentially applicable fire suppression systems, including automatic sprinkler and clean agent systems, and their performance on fires involving electronic equipment will then be detailed.

Learning Objective(s):

- Understand the fire hazards involved in modern IT and telecommunication facilities
- Understand the advantages and disadvantages of the different options available for fire protection of IT and telecommunication facilities
- Understand the sensitivity of modern electronic equipment to fire heat and fire combustion products
- Employ the above understanding to the selection of fire suppression systems appropriate to the particular fire scenario involved in a given facility

AUDIENCE: INTERMEDIATE CEU 0.1

Strategic Planning, Commercial Office, Retail

W1.45 Integration of Facility Services Technology: A Winning Combo

Kerri Roche, Director FCS, UGL Unico

The team embarked on a unique integration project that tied a client's existing CMMS with their FM service provider's call center, mobile dispatching CMMS and the FM Provider's materials and parts supplier's technology platform. The integration was invisible to the users at Stop & Shops stores and increased the efficiency of delivering FM services while providing accurate work cost and status data. Attend this session to hear how these service providers worked together to implement these integration at the over 400 Stop & Shop locations.

Learning Objective(s):

- Comprehend the process of developing technology integration projects
- Be able to identify the benefits of integration
- Understand the challenges and lessons learned

AUDIENCE: BEGINNER CEU 0.1

Greening an Existing Building

W1.47 Roofpoint: A Tool to Rate Environmentally Innovative Roofs

James Hoff, DBA, Research Director, Center for Environmental Innovation in Roofing

Few elements of modern construction have as great an impact on

long-term sustainability as roofs. In addition to saving energy, roofs also provide an attractive platform for the deployment of sustainable energy technologies, including solar and wind power, and serve as the “first responder” to critical environmental impacts such as heat island effects, air pollution, and storm water runoff. Roofing also offers a major opportunity for waste recycling and renewal. Finally, because the watertight integrity of the roofing system is a key determinant of building life expectancy, roofs serve an important role in extending overall building service life and reducing life cycle impacts.

Learning Objective(s):

1. Recognize how a commercial roofing system can help to achieve a sustainable built environment
2. Understand the role of the Center for Environmental Innovation in Roofing in the development of a simple owner-oriented guideline for the selection of environmentally innovative roofing systems
3. Understand the criteria and methodology incorporated in the Roofpoint™ Environmentally Innovative Guideline for Low-Slope Roofing
4. Understand how the key categories measures and weighting system of Roofpoint™ are used to assess the comparative sustainability of commercial roofing system options

AUDIENCE: BEGINNER CEU 0.1

Greening an Existing Building, Technology

W1.49 Harnessing the Power of LED Lighting & Controls

Bill Ballweg, Product Development Manager, Lithonia Lighting

This session will show how LED ambient lighting paired with integrated energy controls can deliver superior lighting quality, significant energy savings and reduce maintenance for commercial buildings. The program will focus on the impact and benefits indoor LED lighting applications can provide and how the benefits can be significantly enhanced when LED lighting and control systems are integrated into building systems. The presenter will also share recent applications/case studies of LED lighting and controls in the commercial marketplace.

Learning Objective(s):

1. Learn the latest technology advancements in digital indoor LED lighting
2. Discover how integrating LED lighting and controls systems into building systems enhances LED lighting benefits
3. Learn about recent applications of indoor LED lighting and controls

AUDIENCE: BEGINNER CEU 0.1

10:00 AM

Green Standards Sessions

W2.18 Implementing Lighting Management Technologies and Practices to Drive Building Efficiency

Bob Freshman, Marketing Manager, Leviton Lighting Management Systems; Michael Jouaneh, Marketing Manger, Lutron Electronics

The National Electrical Manufacturers Association will present a session on how lighting costs can be reduced 20 to 60 percent or more, using lighting management systems combined with tax and utility incentives. This session will review the latest lighting control technologies, strategies and systems for reaching Net-Zero energy and sustainability goals, for complying with energy codes, and for integrating with intelligent buildings. Technologies such as digital lighting controls, wireless systems, advanced daylighting and window shade controls, and occupancy sensors will be covered. Case studies from real buildings that demonstrate how lighting controls save energy and enhance occupant satisfaction will be presented.

Learning Objective(s):

1. Understand the latest lighting control technology
2. Learn how to reach Net-Zero energy and sustainability goals through lighting
3. Learn from case studies on how occupant satisfaction was achieved through lighting controls

AUDIENCE: BEGINNER CEU 0.1

Maintenance and Operations

W2.21 Retrofitting for Ultra High Performance HVAC

Nathan Rothman, President, Optimum Energy

Research indicates that energy performance in commercial buildings deteriorates over time, whether it's an existing or a new building. When sustainable building retrofits focus on energy efficiency, the result is reduced energy usage, and reduced operating expenses. By creating a network that enables the application of advanced relational-control algorithms to HVAC system operation, as well as the use of online tools to measure, verify and manage system operations on a day-to-day basis, it's possible to in effect continuously commission an HVAC system.

Learning Objective(s):

1. A clear understand the future of sustainable building retrofits
2. How retrofits should incorporate new technologies that aid in long-term operation and maintenance
3. How the use of use of enterprise applications is the key to improving commercial HVAC system performance

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities Sessions

W2.24 ASHRAE's Building Energy Quotient (BEQ): How Does Your Facility Stack Up?

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

AUDIENCE: BEGINNER CEU 0.1

Strategic Planning

W2.27 Preparing to Outsource Services

Keith Vandebussche, FMA, Director, Facilities Services, Barton Malow Company

This session will educate attendee's on the tools and planning required to successfully outsource facility maintenance. Attendees will learn why the industry is outsourcing, what they need to do to outsource, how long it takes to put a program together for outsourcing and the typical savings involved with outsourcing.

Learning Objective(s):

1. Understand the current trends in outsourcing
2. Understand the information and time need to put together an outsourcing plan
3. Learn the typical savings of the different services available for outsourcing
4. Find out how you can still provide value and cut costs with outsourcing

AUDIENCE: BEGINNER CEU 0.1

Maintenance and Operations

W2.37 Maintenance Scorecard: Measure what you Manage

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

AUDIENCE: BEGINNER CEU 0.1

Maintenance and Operations

W2.39 Plumbing Safety

Ken Cornwall, President, ProVent Systems, Inc.

This session will discuss protecting existing floor drains from not only sewer gas emissions but also from raw sewage from backing up through the drains and bug problems entering the entire drain system. He will also talk about new plumbing code domestic hot water requirements and how they affect existing buildings.

Learning Objective(s):

1. Learn how to solve a number of plumbing drain problems
2. Understand how to protect the health and safety of occupants in buildings
3. Learn about new plumbing code requirements for existing buildings

AUDIENCE: INTERMEDIATE CEU 0.1

Government, Maintenance and Operations

W2.41 GSA's Facilities Maintenance and Management Service Contracts for Federal Agencies

Mary L. Snodderly, GSA Center for Facilities Maintenance and Hardware, Business Management Division,

GSA's Center for Facilities Maintenance and Hardware offers a wide range of facilities maintenance and management service contracts to the federal government community under the multiple award schedule program. The GSA schedules program offers comprehensive facilities services such as: elevator maintenance, fire alarm and fire suppression systems maintenance, grounds maintenance, pest management, complete facilities maintenance and now energy management Services. In this session Federal Agencies will learn more about the facilities solutions GSA has available through the schedules program and how to use them.

Learning Objective(s):

1. Understanding what a Multiple Award Schedule contract is and how to use it
2. Learn what offerings are included in the Facilities Maintenance and Management Schedule and they can meet your needs
3. What are the current hot topics regarding the Multiple Award Schedules Program

AUDIENCE: INTERMEDIATE CEU 0.1

Safety and Security

W2.43 The Fire Department's Role in Enhancing Emergency Response Plans

Bob Devonshire, Maintenance Superintendent, County of Lancaster, Pennsylvania

In this session, attendees will learn how to work with local fire departments before disaster strikes as part of an overall emergency response plan. The session will highlight key fire and life safety resources — including local fire and building codes, local fire departments and fire marshals — and how they can assist facility professionals in establishing a customized emergency plan that can be easily implemented and communicated throughout an organization.

Learning Objective(s):

1. Understand the primary roles of various fire and life safety personnel
2. Identify key elements of a fire and life safety program
3. Learn how to work with local fire and emergency response units on an ongoing basis

AUDIENCE: BEGINNER CEU 0.1

Strategic Planning

W2.45 The Commercial Real Estate Revolution

AUDIENCE: BEGINNER CEU 0.1

Technology

W2.47 The Many Faces of BIM

Dana "Deke" Smith, FAIA, Executive Director buildingSMART alliance

Without question, the industry has reached the tipping point on Building Information Modeling (BIM), but there are few standards in place and different information is being provided depending on the owner or the contractors involved. COBie and SPie are two efforts currently in place to help remedy this problem and now buildingSMART alliance is focused on standardizing all the information being provided to all stakeholders. The National BIM Standard-United States is progressing and we need your involvement in the process of structuring information so that it is accurate and usable. This session will discuss what is being done and the steps you need to take to get involved.

Learning Objective:

1. Understanding the scope of BIM and the National BIM Standard-United States
2. Understanding your role in standardizing the data and business processes used in our industry
3. Knowledge of the status of the world wide industry effort

AUDIENCE: BEGINNER CEU 0.1

Education, Technology

W2.49 Windows: Transparency / Security / Budgetary Time Bomb

Tara Labosky, AIA, LEED AP, Architect, Penza Bailey Architects

Light corridor, suit of armor, breath of fresh air, budgetary line item ... a "window" is never just a window. Join a teacher, a facility manager, a manufacturer and an architect who, together, will draft a plan for window replacement that is energy-efficient, cost-effective and durable. By understanding the types of systems available, end-user behavior, construction sequencing, maintenance and performance, the stakeholders can work together to ensure a successful project.

Learning Objective(s):

1. Recognize effects of window replacement on adjacent construction
2. Compare and contrast types of frame finishes glazing and storefront construction
3. Select the system that best meets the budget long-term durability and performance requirements of the project
4. Be able to identify the needs of the major stakeholders

AUDIENCE: BEGINNER CEU 0.1

3:10 PM

Greening an Existing Building Sessions

W3.16 Virtual Building Tour – Your Blueprint for ROI

Brought to you by: The Alliance for Sustainable Built Environments

Since the release of Executive Order 13514, Federal agencies have been given strict mandates to make their buildings more sustainable. These government initiatives will affect all manufacturers due to the supply chain implications. This presentation will help people execute their sustainability programs and meet their mandates by providing sustainable solutions that save energy, water and money. It will also address what performance improvements are achievable when making sustainable upgrades to your building. Speakers will cover basic upgrades, but quickly advance to a more in-depth look at what savings are possible with today's technologies and best practices.

Learning Objective(s):

1. Learn how sustainable upgrades relate to recent Federal mandates and beyond
2. Learn how to green buildings to reduce costs, lower overall carbon footprints (reduce energy and water use, reduce greenhouse gas emissions, etc.) and improve workspace productivity
3. Understand how sustainable upgrades can impact a buildings performance in the short and long-term

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities, Greening an Existing Building, Technology

W3.18 Take the Mystery out Of Water Audits and ROI Calculators

Anupa Maru, Sales Engineer, Kohler

Are you tired of scratching your head trying to estimate how much money you could be saving with water efficient plumbing? Learn the various components of a successful water audit including the hidden costs associated with outdated plumbing. Discover how to uncover the opportunities to decrease your operating expenses and maintenance requirements. Learn how you can use an ROI calculation to estimate the potential water and energy savings and maximize your investment. See actual examples of water audits conducted on existing facilities and the estimated water and energy savings.

Learning Objective(s):

1. Learn about water conservation and the Link between water and energy
2. Comprehend the cost considerations for a water audit on existing facilities
3. See examples of calculated water and energy savings

AUDIENCE: BEGINNER CEU 0.1

Green Standards

W3.21 LEED Certification: Non-Compliance Shouldn't Be Tolerated

Mark Lentz, P.E., President, Lentz Engineering Associates;

Lawrence G. Spielvogel, P.E., Consulting Engineers

LEED certification has become important to many building owners and governments. Compliance with ANSI/ASHRAE Standard 62.1 and ANSI/ASHRAE/IESNA Standard 90.1 are prerequisites for certification. The certification process was set up on the honor system, relying on certifications by and professionalism on the part of building designers. Since most building codes do not require compliance with either ASHRAE standard, LEED certified buildings do not always comply. Observations of these completed buildings often disclose many examples of non-compliance with multiple provisions of the prerequisite mandatory ASHRAE standards. The speakers will discuss the actions of the designers that should lead to the first ever decertification of and plaque removal from a LEED Gold Certified project.

AUDIENCE: INTERMEDIATE CEU 0.1

Energy Efficiency, Upgrades and Utilities

W3.24 A Whole-Building Approach to Energy Planning

Karim Bibawi, Director of Energy Management Services, Nexamp, Inc.

With so many decisions about how to reduce energy costs facing building owners and operators, it is essential to take a whole-building approach to energy management in order to implement projects with the best return on investment and energy cost savings. This session will inform the audience of the importance of taking this whole-building approach, highlighting each of the three important stages. Also, a case study of a facility which underwent a whole-building efficiency overhaul, highlighting the benefits and challenges of this facility's transformation will be presented.

Learning Objective(s):

1. Learn why it's important to take a whole-building approach to efficiency to reduce operating costs by implementing projects with the best return on investment
2. Learn the benefits and challenges of implementing renewable and energy efficiency technologies
3. See how a facility became more efficient through the implementation of energy management services and renewables with an in depth case study of a facility which recently completed these measures

AUDIENCE: INTERMEDIATE CEU 0.1

Greening an Existing Building, Technology

W3.27 Executive Briefing: Beyond Green Cleaning - The Emerging Technologies

Vince Elliott, President, Elliott Affiliates, Ltd.

This session explores the future for how we clean our buildings and will demonstrate new and innovative technologies, strategies and equipment that are re-shaping the cleaning management landscape. Those who adopt the emerging technologies will gain market share, lower costs, improve the bottom line, improve property image and gain an advantage in a competitive market. This session will provide information that will allow managers to reduce environmental pollution, improve the health of our waterways and correct indoor air quality contamination.

Learning Objective(s):

1. Understand the hidden risk found in the way we clean buildings today
2. Identify the emerging cleaning technologies
3. Clearly identify the benefits, opportunities and gains available from the ideas presented
4. Obtain a resource list of sources for implementing the emerging technologies and strategies

AUDIENCE: BEGINNER CEU 0.1

Safety and Security

W3.37 The ABC's of OSHA Compliance – Protecting People, Property and Profits

David A. Casavant, Executive Director, Workplace Safety Awareness Council

Last year OSHA conducted 39,167 inspections and issued \$85,192,940 in fines. OSHA often targets maintenance departments because of hazards that buildings, equipment and materials present to occupants and visitors. So facility and maintenance managers must be familiar with OSHA requirements and have required paperwork and records on file. In this presentation we will discuss a six point plan for OSHA compliance in a built environment.

Learning Objective(s):

1. Understand three things you should never do during an OSHA visit
2. Identify the OSHA Compliance Wheel and how it can keep you "legal"
3. Learn when written safety plans are required and how to quickly develop them

AUDIENCE: BEGINNER CEU 0.1

Greening an Existing Building, Technology

W3.39 Resilient Flooring Goes Green: The New Sustainability Assessment Standard

Lewis G. Migliore, President, LGMTCS and Associates

In May of 2010, the NSF American National Standard 332: Sustainability Assessment Standard for Resilient Floor Coverings was finalized and is now used to certify the sustainability attributes of resilient flooring. In this session, attendees will gain a thorough understanding of the standard's four levels of certification and five key criteria that help identify the sustainable characteristics of a wide range of vinyl, linoleum and rubber flooring products, and learn how this standard can be used as part of an organization's pursuit of a greener, more environmentally friendly facility.

Learning Objective(s):

1. Review the key components of NFS ANS 332
2. Understand the standard's impact on resilient flooring
3. Learn how to use the standard to specify sustainable resilient flooring in a facility

AUDIENCE: BEGINNER CEU 0.1

Technology

W3.41 Do you Need Double Conversion UPS with Today's Smart Grid?

Harry Handlin, Power Quality Systems Engineer, GE Digital Energy - Power Quality

Double conversion UPS is required for data centers, but operating continuously in double conversion mode is not required. The utility Smart Grids in developed countries are clean and reliable enough 99 percent of the time. The double conversion UPS does not need to continuously condition utility power that is already "clean". Eliminating unnecessary power conditioning improves UPS efficiency to 99 percent. When utility power is not clean, the UPS returns to double conversion operating mode maintaining reliable power to the data center. GE will analyze utility reliability, UPS performance and data center power quality for UPS high efficiency operating mode.

Learning Objective(s):

1. Learn how to evaluating UPS operating efficiency contribution to PUE reduction
2. Understand how to reduce UPS waste heat thus reducing required cooling costs
3. Learn how to turn UPS on High Efficiency operating mode to raise UPS operating efficiency above 98 percent

AUDIENCE: BEGINNER CEU 0.1

Green Standards

W3.47 Developing a Workforce Strategy for Sustainable Facilities Management

AUDIENCE: BEGINNER CEU 0.1

Government, Greening an Existing Building

W3.49 Monitoring a United States Postal Service Green Roof

Angie Durhman, Green Roof Manager, Tecta America Corp.

This session will focus on the largest green roof in New York City: the USPS Morgan Building in Manhattan. We'll discuss the motives behind choosing a green roof for this facility, the US Postal Service's environmental goals, and how the goals will be achieved. Lastly, we will emphasize how this green roof will be monitored in order to measure the quantitative environmental benefits and green roof performance - a real world analysis desired by so many building professionals, yet seldom incorporated due to a variety of factors.

Learning Objective(s):

1. How green roofs can meet sustainability goals
2. How to track and monitor meaningful results to assess green roof performance

3. Discover various instruments used to monitor a green roof
4. Understand the impact of proper design and installation techniques to achieve environmental benefits

AUDIENCE: BEGINNER CEU 0.1

4:10 PM

Green Standards

W4.37 Understanding the Different Data Management Tools

Brian Zarbrocki, Director, Maintenance Systems, CE Maintenance Solutions

AUDIENCE: BEGINNER CEU 0.1

Green Standards

W4.39 Enhancing Water and Water Energy Resources

Tom Rooney, CEO, SPG Solar

Water and energy are both critical resources that, although abundant in nature, are not abundantly available to the world's vast population. New technology allows water resources and reservoirs to be covered with solar photovoltaics, creating a comprehensive system that reduces evaporation, suppresses algae growth, and enhances water quality while producing renewable energy to offset the high cost of water delivery. The relationship between renewable energy and the resource conservation is the source of creative solutions to some of the environmental issues we face today. This session will discuss the relationship specifically between energy and water, and will inform attendees of the latest technological developments in this area.

AUDIENCE: BEGINNER CEU 0.1

Leadership and Career Advancement

W4.41 Creating Credibility to Advance Your Career

Kit Tuveson, President, Tuveson and Associates

Credibility should be a key competency for today's facility management team. Job knowledge, strong organization relationships and solid management skills comprise the foundation for credibility. This presentation will share solid best practices leading to enhancing key competencies that build credibility, including: understanding how what you say and do impacts your credibility, developing a strategy to differentiate credible suppliers, and creating effective work relationships with your boss and employees that lead to improved performance. Participants will use several exercises to help develop strategies to improve their credibility.

Learning Objective(s):

1. Understand how what you say and do impacts your credibility
2. Learn how to develop a strategy to differentiate credible suppliers
3. Create effective work relationships with your boss and employees that lead to improved performance

AUDIENCE: BEGINNER CEU 0.1

Safety and Security

W4.43 Ensuring Fire Safety for Food Service Operations in Commercial Facilities

Nelson Dilg, President, Nelbud Services Group

Two important issues have recently emerged regarding fires in the grease exhaust systems of commercial buildings: 1) The NFPA standard governing this particular discipline – NFPA 96 – now places compliance burden squarely upon the building owner and 2) firefighter deaths that resulted from these otherwise preventable fires have prompted several cities and states to pass laws requiring licensure and strict inspection/reporting provisions, and more are beginning to speak of criminal consequences for building owners who fail to comply. This session will distill the specific responsibilities under NFPA 96, including changes to the standard, the building owner's responsibilities, the form that compliance takes in differing jurisdictions, and simple inspection techniques.

Learning Objective(s):

1. Increase awareness of the building owners and engineers' responsibility to

- fire safety in grease exhaust systems
2. Learn about recent changes in NFPA 96 codes and compliance
3. Understand how inspection can help reduce noncompliance as well as the risk of fire in grease exhaust systems

AUDIENCE: BEGINNER CEU 0.1

Government, Greening an Existing Building

W4.45 The Greening of the Baltimore Convention Center

Steven Carroll, Vice President, Innovative Building Solutions

The re-roofing of the 43,000 square foot mezzanine level of the 31 year old Baltimore Convention Center, posed many challenges - not least of which was minimizing the impact of a major intensive green roof and paver installation on a busy convention center. The hot rubberized asphalt waterproofing system, high strength custom pressed concrete pavers and low VOC liquid membrane fountain waterproofing coupled with intensive planting of trees and shrubs make a compelling story of the imagination, hard work and deep collaboration between architect, contractors, vendors and facility managers that it took to complete this unique project.

Learning Objective(s):

1. Learn how the Baltimore Convention Center installed a green roof and paver system
2. Gain a better understanding of waterproofing systems
3. Demystifying the design and installation of intensive green roof and concrete paver systems for occupied roof spaces.

AUDIENCE: INTERMEDIATE CEU 0.1

Technology

W4.47 Integration of Building Information Modeling and Commissioning

AUDIENCE: BEGINNER CEU 0.1

Technology

W4.49 From Communication to Transformation: Leveraging Technology to Manage Your Facilities

Shelley Armato, President and CEO, Marathon Digital Services and MySmartPlans

AUDIENCE: BEGINNER CEU 0.1

Thursday, March 17

9:00 AM

Greening an Existing Building

R1.18 How Building Enclosure Commissioning (and Retrocommissioning) Can Save You Money

Jeffrey D. Kerr, Senior Engineer, Simpson Gumpertz & Heger; Paul Totten, Senior Project Manager, Simpson Gumpertz & Heger, Inc.

The building enclosure is comprised of many unique systems that must balance a complex network of system interactions in order to properly control heat, air, and moisture. Without proper coordination during design, construction, and implementation of these systems, buildings have an increased risk of long-term problems including moisture and IAQ related issues. This presentation will discuss the commissioning and retrocommissioning processes for building enclosures from design development through post-occupancy. We will use several project examples and current ASHRAE and NIBS published guidelines as references.

Learning Objective(s):

1. Learn more about the building enclosure commissioning process
2. Understand the value provided by commissioning the enclosure
3. Learn the tools and testing that can be utilized for commissioning
4. Gain knowledge on retrocommissioning for building enclosures

AUDIENCE: INTERMEDIATE CEU 0.1

Greening an Existing Building

R1.21 How a Ronald McDonald House Went from Red and Yellow to Green

This session provides an in-depth review of the lessons learned when planning and implementing sustainable initiatives at a regional non-profit organization. The Ronald McDonald House of Southeastern Wisconsin LEED-EB pilot project was among the first of its kind in the area, and managed to generate significant operational savings while boosting sustainability throughout the organization. Attendees will learn firsthand about tools they can use to begin a similar program at their facilities.

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities

R1.24 Maryland Energy Rebate Overview

Brooke Smallwood, Program Specialist, Pepco C&I Energy Savings Program

Attend this session for an overview of the different energy rebate and tax credit programs throughout Maryland. Attendees will walk away with a better understand of what initiatives qualify for this programs and how much you can expect to save.

Learning Objective(s):

1. Understand the different energy rebate/tax credit programs available in Maryland
2. Learn what incentives will be given for different sustainable initiatives

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities, Green Standards

R1.27 Walking the Sustainable Walk at Johnson Controls

Ward Komorowski, Director of Facilities and Buildings, Johnson Controls, Inc.

A deep dive into the expansion and renovation at the company's corporate campus in Glendale, Wisconsin that yielded more green buildings on one site than any other corporate campus in the country.

AUDIENCE: BEGINNER CEU 0.1

Green Standards

R1.37 I Survived a Hospital LEED Certification

In this new series exclusive to NFMT, facility managers will provide personal insights into how they made it through a potentially overwhelming project, regulation compliance or inspection. In this session attendees will get an in-depth perspective of the LEED approval process at

a medical facility.

Learning Objective(s):

1. Understand the overall timeline and project size for this LEED facility
2. Understand the obstacles/challenges that had to be overcome with this project
3. Understand the cost versus savings on this project

AUDIENCE: BEGINNER CEU 0.1

Maintenance and Operations

R1.39 True Cost of Aggressive Preventative Maintenance on Exterior Services

Richard Arlington, President, Rich Arlington & Associates

Attendees will be presented with a series of real life cases in which facility management eliminated key language in their RFP (as a response to budgetary pressures) and how this led to an event that created unnecessary expense for their facility. The speaker will motivate attendees to engage in an interactive discussion on this for an unforgettable lesson on why a low price during the RFP process does not translate to low cost of ownership over time. Attendee will walk away with a better understanding of how to create positive vendor relationships.

Learning Objective(s):

1. At the end of this session the attendee will learn how pre salting can reduce overall cost and risk of Slip & Fall
2. At the end of this session the attendee will learn how good IPM management can reduce landscape maintenance overall cost
3. At the end of this session, the attendee will learn why IPM for trees and shrubs should be managed to reduce cost of ownership for facility.

AUDIENCE: INTERMEDIATE CEU 0.1

Maintenance and Operations, Medical

R1.41 When Bedbugs Bite: Identifying and Responding to an Infestation

Jeffrey White, M.S., Research Entomologist, BedBug Central

Bed bugs are back and here to stay! With the resurgence of bed bugs continuing each day, they are starting to show up in all types of homes as well as public facilities such as offices, schools, retail stores and movie theaters. The one way that the spread of this pest can be slowed is by education. This presentation will cover the recent history of bed bugs, their biology and behavior, and what you need to know to identify and avoid bed bug infestations. Progressive bed bug treatments will also be discussed in addition to the challenges we face as bed bugs become more common each day.

Learning Objective(s):

1. Review recent history of bed bugs, their biology and behavior
2. Learn how to identify and avoid bed bug infestations
3. Understand the role of progressive bed bug treatments

AUDIENCE: BEGINNER CEU 0.1

Education, Safety and Security

R1.43 Creating, Implementing and Maintaining a Crisis Management Program for the 21st Century

Robert Lang, Assistant Vice President, Strategic Security and Safety, Kennesaw State University

This session will present a holistic approach to crisis management that goes well beyond the "floor warden" concept into an array of methodologies that enhances communications, enables a cadre of trained personnel to obtain the necessary security awareness trends and indicators, as well as provide everyday solutions to incident management for not only educational institutions, but businesses and corporations. The session will discuss how to put a viable and operationally effective crisis management program in place at your facility that emphasizes educational training, security awareness, drills and tabletops, with the ultimate goal of having a team of trained personnel able to plan, prepare and respond to any issue that may affect normal operations.

Learning Objective(s):

1. Understand the current workplace violence scenarios
2. Be able to successfully assemble a crisis management team
3. Learn necessity of successful training, drills and tabletop exercises

AUDIENCE: BEGINNER CEU 0.1

General Session - Thursday 8:00-8:50 am

Strategic Planning

Influence = Power: Keys to Becoming More Visible Within Your Organizations

Lenny Jachimowicz, FMA, Vice President Engineering and Facilities Management, Global Operations Services, Marriott International; Jon E. Martens, CFM, CFMJ, IFMA Fellow, Facilities Operations Division Manager, County of Sonoma, CA

The time for facility managers to step up to the plate and lead is now. By shining the spotlight on the FM department's indispensable role in meeting an organization's goals of sustainability, efficiency and frugality, facility managers can choose to rise the level of a strategic leader -- or become a major obstacle in its progress. Hear from a panel of highly respected facility managers discuss how they cultivated their personal and professional influence to become leaders within their organizations.

Learning Objective:

1. Understand how to become a voice of influence in your organization
2. Learn how to use your influence to heighten the facility department agenda within the organization
3. Understand how a lack of influence can often be detrimental to your department

AUDIENCE: CEU 0.1

Staff Training and Development

R1.45 Women in Facility Management: What does the Future Hold?

Join us for the 4th annual Women in Facilities series at NFMT. Attend this round table discussion for a honest discussion with other women in facility management (and a few men). This attendee driven discussion will tackle topics such as work/life balance, corporate culture, employee recruitment and retention and much more.

AUDIENCE: BEGINNER CEU 0.1

Strategic Planning

R1.47 Your FCA (Facility Condition Assessment) Is Your GPS

F. Joshua Millman, AIA, Principal, Facilities Planners & Architects, Inc.

To use a GPS to reach your destination, you first need to know your starting point. Whether you are performing due diligence on a building acquisition, developing a facilities capital replacement program, or identifying opportunities to lower facilities energy costs, you also need to first identify the starting point. You achieve this through a facility condition assessment (FCA). A "Total FCA" combines the FCA with an energy audit. This Total FCA model is presented with handouts for you to present results to the C Suite and its use demonstrated in case studies for a mall and a manufacturing plant.

Learning Objective(s):

1. Understand the ASTM Standard E2018-08 for Facility Condition Assessment and the ASHRAE Level II Energy audit
2. Conduct a total facilities condition (TFCA) assessment with forms provided at this presentation
3. Employ this model for identifying the potential energy cost savings upgrade costs returns on investments and payback periods
4. Present assessment results and return on investment data to the C-Suite

AUDIENCE: BEGINNER CEU 0.1

10:00 AM

Data Center, Energy Efficiency, Upgrades and Utilities

R2.18 Data Centers and Green Initiatives

Mark S. Evanko, Principal, BRUNS-PAK,

This presentation provides an overview of the impact of new computer technology and the considerations in developing high availability facility infrastructures with specific emphasis on server virtualization and consolidation. The speaker will also discuss the importance of short/long-term planning and how it influences data center financial liabilities. Hear about options and alternatives to investigate when developing data centers, as well as a view of industry trends that have been gathered from practical consulting, design, and engineering experiences. In addition, the speaker will talk about local, regional and national regulations that may affect your ability to construct your data center of the future.

Learning Objective(s):

1. Be able to identify data center green initiatives
2. Understand reliability vs. redundancy vs. uptime
3. Understand the role of LEED in data centers
4. Learn the cost impacts and trends in greening data centers

AUDIENCE: INTERMEDIATE CEU 0.1

Greening an Existing Building

R2.21 Rainwater Catchment – Whether Drizzle or Downpour

Stephen P. Sundstrom, Marketing Director, SkyHarvester

Today, rainwater harvesting is becoming more and more appealing as governmental regulations and commercial applications continue to evolve and embrace it. Coupled with the increasing affordability of the technology to collect, retain and distribute harvested rainwater, the commercial viability of rainwater/gray water harvesting is moving more toward the mainstream. Harvesting water is easy. This presentation explores the more difficult aspects of the process, the potential applications of water harvesting and the commercial viability of these solutions from the perspective of an existing building and new construction. It also explores the modern control systems required to run these sophisticated systems.

Learning Objective(s):

1. Learn about the commercial viability of rainwater/gray water harvesting for facilities
2. Understand applications of harvested water and design considerations
3. Understand modern control systems for water harvesting systems

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities

R2.24 The New Energy Mix: Carbon, Sustainable, Alternative

John Studebaker, PhD, President, Studebaker Energy Consulting LLC

This session will explain the current energy procurement process as well as new processes that are evolving. In the not too distant future, energy cost containment will be a much more complex customer-directed effort. As processes become available, an energy user, to remain competitive, will have to adjust their purchase procurement strategies accordingly. This session will address the following areas of the transition process: What is available? How does it work? How efficient is the process? What will it cost?

Learning Objective(s):

1. Understand the current energy purchasing processes
2. Learn about the future energy options and requirements
3. Learn about the future energy costs

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities

R2.27 U.S. DOE Resources for Improved Energy Efficiency of Industrial Buildings Systems

Rolf F. Butters, Technology Manager, U.S. Department of Energy

According to the U.S. Department of Energy's Energy Information Administration, manufacturing consumes approximately one third of all energy consumed in the United States. Industrial buildings systems consume on average about 5 percent of that energy. However, several sub-sectors consume more energy in industrial buildings systems as a percentage of total site energy.

Learning Objective(s):

1. Learn about an incentives database identifying state and utility resources
2. Understand the free software tools and scorecards to identify energy and cost savings and emissions reduction opportunities
3. Learn about tip sheets and technology reports that address energy efficiency and cost reduction strategies
4. Comprehend how manufacturers have implemented energy management systems and reduce their energy intensity

AUDIENCE: BEGINNER CEU 0.1

Maintenance and Operations

R2.37 I Survived a JCAHO Visit

In this new series exclusive to NFMT, facility managers will provide personal insights into how they made it through a potentially overwhelming project, regulation compliance or inspection. In this case, the day most medical facility managers dread and prepare for, for months: the arrival of JCAHO (or Joint Commission on Accreditation of Healthcare



Organizations) for an inspection. Attend this session to hear an FM of a leading healthcare facility describe the process of having JCAHO conduct a rigorous in section of his building.

Learning Objective(s):

1. Understand how this facility prepared for JCAHO
2. Learn what happens when the JCAHO inspector arrives and the facility managers role that day
3. Learn what the result of the JCAHO inspection was

AUDIENCE: BEGINNER CEU 0.1

Maintenance and Operations

R2.39 Changing Face of FM: A Business Case for Reliability-Centered Maintenance

Daren Kennedy, Systems Reliability Branch Manager, Smithsonian; James P. Whittaker, P.E., CFM, FRICS, President, Facility Engineering Associates, P.C.

Almost every facilities organization is searching for ways to operate more effectively and efficiently with limited resources. One of the most promising, yet often overlooked, ways of accomplishing this is through the use of new technologies to improve efficiency of a maintenance organization. This presentation will demonstrate a multitude of ways that PT&I tools can be utilized as part of a streamlined reliability-centered maintenance program to reduce labor requirements, improve energy efficiency, maximize system reliability, extend the life of building systems, protect your assets, and aid in system diagnostics.

Learning Objective(s):

1. Understand the Reality and Value of RCM as a Facility Manager
2. How to improve the effectiveness and efficiency of your maintenance program
3. See real predictive testing and inspection success stories

AUDIENCE: INTERMEDIATE CEU 0.1

Safety and Security, Strategic Planning

R2.41 A Review of the ADA Final Regs

Joan W. Stein, President & CEO, Accessibility Development Associates, Inc.

AUDIENCE: INTERMEDIATE CEU 0.1

Technology

R2.43 Whole Building Design Guide

Richard Paradis, P.E., BSCP, Director, Advanced Materials Program National Institute of Building Sciences

The WBDG provides one-stop access to up-to-date information on a wide range of building-related guidance, criteria and technology from a 'whole buildings' perspective. At the heart of the WBDG are Resource Pages, reductive summaries on particular topics linked to authoritative technical documents. The WBDG is a collaborative effort among federal agencies, private sector companies, non-profit organizations and educational institutions offered to the building community by the National Institute of Building Sciences through funding support from Federal agencies. Outstanding new content includes building information modeling and high performance buildings.

Learning Objective(s):

1. Understand the work the Whole Building Design Guide (WBDG) does
2. Comprehend the goals of the WBDG
3. Understand the tools associated with the WBDG

AUDIENCE: BEGINNER CEU 0.1

Technology

R2.47 Carpet Specification: Dos and Don'ts for Maximum ROI

Carpet's current array of styles and colors provide an almost endless range of options for facility managers, and enhanced sustainability attributes--recycling and reuse, improved acoustics, and thermal savings--make it a key building asset. But without proper specification, carpet may not live up to its performance expectations, which can jeopardize budgets and create an environmental problem when a failed floor covering is relegated to the landfill earlier than planned. This session outlines the keys to proper carpet specification for successful carpet installations that

performs up to (and even beyond) expectations throughout its life cycle.

Learning Objective(s):

1. Understand construction and application of a variety of carpet types
2. Identify how to select the right carpet for optimum performance
3. Learn how to evaluate the longevity of color fiber construction, texture and design
4. Study the correct way to install and maintain the product

AUDIENCE: BEGINNER CEU 0.1

Energy Efficiency, Upgrades and Utilities, Greening an Existing Building

R2.49 Lighting the Net-Zero, High Performance Facility

Peter Schwartz, Vice President Business Development, LUMEnergi, Inc.

Lighting represents the largest untapped energy end use. Successfully integrating advanced lighting technology with building management control systems is key to optimizing building performance, increasing grid reliability, improving customer satisfaction and transforming facilities toward the goal of becoming

Learning Objective(s):

1. Gain an understanding of the main drivers and policy initiatives behind net-zero energy building initiatives
2. Learn how to incorporate advanced lighting controls to optimize energy savings
3. Understand how the onset of the Smart Grid era demands smart buildings dynamic controls and intelligent lighting
4. Learn how intelligent lighting solutions can deliver over 70 percent reductions in lighting energy and significantly reduce operating costs

AUDIENCE: BEGINNER CEU 0.1

2:10 PM

Education, Strategic Planning

R3.21 Best FM Practices in Schools (and other organizations of similar size)

Chris Corby, CFM, LEED AP, President, School Facility Management, LLC

Attend this session for a review of "best" — or at the very least, pretty darn good — practices for managing schools and similar facilities. This interactive presentation provides a mixture of several proven management techniques, and attendees can expect to see simple and tangible tools. They should also expect to participate in providing their own successful experiences.

Learning Objective(s):

1. Learn how to create a building occupant satisfaction survey
2. Obtain tools for setting maintenance staff expectations
3. Generate ideas for effective meetings

AUDIENCE: INTERMEDIATE CEU 0.1

Commercial Office, Energy Efficiency, Upgrades and Utilities, Technology

R3.24 Energy Optimization Technology in Commercial Buildings

Michael Zimmerman, CEO, BuildingIQ

Commercial buildings consume 20 percent of US energy, but the sector downturn means building operators have to save more with less capital and resources. This session will demonstrate ways in which energy optimization technology can drive 10-30 percent building energy savings with little or no capital by incorporating the specific characteristics of the building, weather and utility data, and continuously tunes the building automation system to reduce energy and cost while maintaining comfort.

Learning Objective(s):

1. Introduce the concept of optimization and how it is different from typical controls operation
2. Provide case studies on real savings even in already high performing buildings
3. Educate the audience on how the latest technology can be used to reduce energy while freeing up resources

AUDIENCE: INTERMEDIATE CEU 0.1

Leadership and Career Advancement

R3.27 Are You Providing Value as an FM Leader?

Stormy Friday, President, The Friday Group

AUDIENCE: INTERMEDIATE CEU 0.1

Safety and Security

R3.37 I Survived a Natural Disaster

In this new series exclusive to NFMT, facility managers will provide personal insights into how they made it through a potentially overwhelming project, regulation compliance or inspection. In this session attendees will walk through the timeline of a natural disaster through the eyes of an FM at a hospital. Learn what steps were taken before, during and after to make ensure the safety of patients, staff and property.

Learning Objective(s):

1. Comprehend the natural disaster plan in place prior to the event
2. Learn how the plan was implemented and adapted during the disaster
3. Understand what the hospital staff learned from the experience and how that has shaped the current natural disaster plan

AUDIENCE: INTERMEDIATE CEU 0.1

Business Continuity, Data Center

R3.39 Stop Sacrificing High Efficiency for Critical Backup Power Reliability

Martin Olsen, Vice President, Global Channels, Active Power, Inc.

Predictable. Expected. Certain. These are boring terms to the laymen, but to facility managers who are tasked with 24x7 uptime, these words are crucial. All mission critical facilities require clean and uninterrupted power that is typically provided with a combination of an uninterruptible power supply (UPS) and a diesel generator. In the past, UPS systems have been dependent on big banks of lead acid batteries for backup power capability. But, due to the chemical makeup of lead acid batteries, reliability comes into question. It's challenging to capture an accurate, real time snapshot of the health and status of a conventional battery based UPS system. Similar to relying on a flashlight when the lights go out, how confident are you the flashlight will work when you really need it?

Learning Objective(s):

1. Understand how organizations don't have to sacrifice their greening efforts for reliability
2. Learn about the various technologies that are available to operators
4. Learn what really causes failures of conventional battery based UPS systems and how to prevent them

AUDIENCE: INTERMEDIATE CEU 0.1

Technology

R3.49 Mobile Integration for Building Management Services

Ayodale Cole, Principal, Cole Solutions, LLC

Learning Objective(s):

1. Understand how mobile technology can be leveraged to connect resources in real-time

2. Understand how to leverage mobile technology to access backend data on the go
3. Understand how mobile technology can be leveraged by customer to access vital information

AUDIENCE: ADVANCED CEU 0.1

3:10 PM

Commercial Office, Technology

R4.45 Getting the Most "Bang for your Buck": What Makes Enterprise FM Technologies Successful?

Craig Alsheimer, Senior Program Manager, CFI

When it comes to enterprise RE/FM technologies, there seems to be no shortage of success stories. Yet many organizations have failed to achieve the results they expected from their investments in technology. Why is there such disparity in reported success rates for enterprise FM technology investments? Can return on investment ever really be predicted? Are vendor claims accurate? Is a huge investment always required to get started? What are the keys to success and how do you avoid the pitfalls that diminish returns or lead to failure?

Learning Objective(s):

1. Understand enterprise RE/FM technologies
2. Learn why many organizations do not receive the results they expected
3. Understand the true ROI on this technology

AUDIENCE: BEGINNER CEU 0.1

Technology, Commercial Office

R4.47 The Next Era of Lighting Controls

Danny Yu, CEO, Daintree Networks

Nearly \$200B is spent globally each year on energy for lighting, and about half comes from commercial buildings. Advanced control over lighting offers the ability to significantly drive down energy usage while improving facility management, but the cost and complexity of traditional solutions have hindered widespread adoption. Wireless solutions based on open standards and interoperability are the next step to realizing the savings potential of lighting controls and ensuring a future-proofed investment. Learn about the unique benefits that wireless, standards-based lighting controls offer, including broader and more granular control, simple commissioning, and drastic reductions in the cost and complexity of installation.

Learning Objective(s):

1. Learn about the characteristics of next-gen lighting controls that will realize maximum energy efficiency potential
2. Learn how wireless solutions reduce the costs and complexities of lighting controls to encourage adoption
3. Understand the developing standards in wireless communications and lighting controls
4. Learn how interoperability and open standards in lighting controls will provide facility managers with more options, lower prices, and a future-proofed investment

AUDIENCE: BEGINNER CEU 0.1

Post-Conference Workshop* - Friday, March 19 - 8:00am-12:00pm

Safety and Security

PC3 How (and When) To Comply with ADA Final Regulations

Joan W. Stein, President & CEO, Accessibility Development Associates, Inc.

On July 26, 2010 (the 20th anniversary of the ADA) the Department of Justice announced major changes to title II and III of the Americans with Disabilities Act (ADA). The 2010 standards will become effective March 15, 2011.

Do you understand the changes to the ADA regulations?

Are you aware of the timeframe these changes must be completed by?

Attend this four hour workshop with Joan Stein, a well-respected ADA expert, for a thoughtful, thorough analysis of the ramifications of the regulations, as well as a discussion of key strategies for complying with ADA requirements. Also to be covered is an in-depth understanding of the regulations' impacts on your organization, and detailed information about how and when the regs will be enforced, along with answers to their specific questions about complying with both new and existing ADA requirements.

Learning Objective(s):

1. Understand what requirements are changing
2. Learn which regulations should you be complying with now
3. Understand how should you address your specific ADA compliance issues
4. Understand the timeframe these changes need to be made

AUDIENCE: BEGINNER CEU 0.4

*Workshops require a fee.

ADVANCE: \$99 for NFMT members,
\$149 for Non-members.

ONSITE: \$249.

EXHIBITORS

(AS OF 1-12-11)

- 360Facility
A&A Transfer Inc.
A-1 Flood Tech
Abatron Inc.
Able Services
ABM Industries Inc.
AC Quest
AccuScan
Acoustical Solutions Inc.
AcryLabs Inc.
Advanced Power Control Inc.
Advanced Specialty Contractors
Advanced Thermal Solutions LLC
AERCO International Inc.
Airius LLC
AirPac Inc.
Alarm Tech Solutions LLC
Alban Engine Power Systems/
Caterpillar
Allen & Shariff Corp.
American Combustion Industries Inc.
(ACI)
American Hometec Inc.
American Restoration Inc.
American School & Hospital Facility
Magazine
American School & University
Magazine
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Applied Building Technologies Inc.
Applied Management Engineering Inc.
AQUIS
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Ascension
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Business Integration Group Inc.
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Capitol Supply Inc.
Caplan Bros. Glass
Cardinal Group Services Inc.
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CleanRiver, a Division of Midpoint
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Club Car Inc.
CNR Lighting Supply Co.
Cold Point Corp.
College Planning & Management /
School Planning & Management
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Comitale National Inc.
Commissioning Agents Inc.
Compass Group
Complete Building Services
Conley Group
Connectrac
Construction Specialties Inc.
Cool Roofing Systems Inc.
Cooper Lighting
Crockett Facilities Services Inc.
Crowcon Detection Instruments Ltd.
CSI International Inc.
CTS Services
Curtis Engine & Equipment Inc.
Data Industrial/Badger Meter Inc.
Davies Office Refurbishing Inc.
Defense Holdings Inc.
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DERBIGUM
Detex Corp.
Digital ID Solutions
Digitize Inc.
DJ's Painting Inc.
Door Guard Inc.
- DORMA Carolina Door Controls
Dr. Gum Inc.
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DuPont
Durable Roofing National Corp.
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EnerNOC
Eternabond
Evac+Chair North America LLC
EverWhite
Excel Dryer Inc.
Exeloo Automated Public Toilets
Facility Wizard Software
FiberTite Roofing Systems by Seaman
Corp.
Fike Corp.
Fireline Corp.
Firelite Alarms/Honeywell Power
FLIR Infrared Cameras
Flow-Liner Systems Ltd.
Fluke Corp.
FM BENCHMARKING
FM Works
FreeAxez USA
Gamewell-FCI
Garaventa Lift
Garland Co. Inc.
Garratt-Callahan Co.
GDP Enterprises Inc. dba Complete
Wholesale
General Services Administration (GSA)
George Mason University, Facility
Management Program
Georgia-Pacific Professional
Global Energy Services
Green Seal Inc.
Griswold Controls
GSA Center for Facilities Maintenance
and Hardware
GSH Group Inc.
- GSM Industrial
GSM Roofing
Hager Companies
Halco Lighting Technologies
Harris Lighting
Haws Corp.
HeatTrak
Hess Construction + Engineering
Services
Highland Tank
Hirsch Electronics
Honeywell Fire Systems
Houck Specialty Contractors
Hydro Tec Inc.
Hydro-Stop/United Coating
Image Resource Group
Infor
Infrared Training Center
INNERFACE Architectural Signage Inc.
Innolytics LLC
InPro Corporation
Interior Maintenance Company Inc.
International Facility Management
Association
Intertech Security
Inventory Management Services Inc.
ISES Corp.
ISS Facility Services Inc.
ISSA-The Worldwide Cleaning Industry
Association
J&J/Invision
JLG Industries Inc.
Johnson Controls Inc.
Johnston McLamb
KAI - Total Pavement Management
Kanepi Innovations
Kleenco Maintenance/Construction
Kohler Co.
Kohler Rental Power
LAARS Heating Systems Co.
Lasertech Floorplans Ltd.
LED*Waves LLC
LEDDynamics Inc.
Lencore Sound Masking and Acoustics
Leviton Manufacturing Co. Inc.
Lewellyn Technology Inc.
Lightning Protection Institute
LiquiTech Inc.
Locksmith Ledger Int.
Lowe's Companies Inc.
LUDECA Inc.
Lutron Electronics Co. Inc.
Luvata Grenada LLC (Heatcraft)
Lyon Workplace Products
MacroAir Technologies

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 Mark's Plumbing Parts
 Marks USA
 McQuay International
 MD/DC APPA
 MetaMedia Publishing LLC
 MicroGuard
 MicroMain Corp.
 Milazzo Industries Inc.
 The Millennium Group
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 Mobile-Shop Co. LLC
 Moen Commercial
 Morin Distribution, The Cooling Tower Store
 Multistack LLC
 National Electrical Manufacturers Association (NEMA)
 Nelbud Services Group Inc.
 NEOPERL Inc.
 New Generation Biofuels
 Nightingale Corp.
 No Fly Zone Inc.
 No Trax Floor Matting
 North American Salt Co.
 NOTIFIER
 ONICON Inc.
 Onset Computer Corp.
 Optimum Lighting LLC
 Orr Protection Systems Inc.
 OSRAM SYLVANIA
 Overly Door Co.
 Owens Corning
 Pacor Inc.
 Palmer Wahl Instrumentation Group
 Panasonic Electric Works Corp. of America
 Parkland Plastics

Passport Corporation
 PBI Restoration Resources
 Pella Corp.
 Pepco Energy Services Inc.
 Petersen Mfg. Co. Inc.
 Phillips Lighting North America
 Pioneer Roofing Systems Inc.
 Planon Software
 Portable Air Group LLC
 Potter Electric Signal Company LLC
 PPG Industries Inc.
 Practical Energy Solutions LLC
 Precision Doors & Hardware
 Precision - Paragon {P2}
 Pro-Bel Enterprises Ltd.
 Professional Restorations
 PTM Manufacturing
 Que Centre
 R&K Engineering Inc.
 RCI Technologies East
 RCx Building Diagnostics
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 Ruston Paving Co. Inc.
 Rutherford Controls International Corp.
 Rytec High Performance Doors
 San Jamar
 SaniGLAZE International LLC
 Sanuvox Technologies Inc.
 The Sapling Co. Inc.
 Satec Inc.
 SCA Tissue North America LLC
 Schindler Elevator Corp.
 Scranton Products

Sealeze-A Unit of Jason Inc.
 SealMaster
 Security Door Controls
 SELECT Hinges/SELECT Products Ltd.
 Semco LLC
 Sensor Switch, an Acuity Brands Company
 Servpro
 Signtex Lighting Inc.
 Sika Sarnafil, A Division of Sika Corp.
 Silent Knight
 SimonsVoss Technologies Inc.
 SiteStuff Inc.
 Sloan Valve Co.
 SMI Sign Systems
 Special Pathogens Laboratory
 Spirax Sarco Inc.
 Square Scrub
 Starnet Commercial Flooring Inc.
 Steril-Aire Inc.
 Sto Corp.
 STOKO Skin Care
 Stonhard
 Stormwater Maintenance LLC
 Structural Preservation Systems
 StructureTec
 Stryker EMS
 Stuart Dean Co. Inc.
 Sunbelt Rentals
 Superior Mfg. Div.
 Suppression Systems Inc.
 System Sensor
 TAMKO Building Products Inc.
 Tandus Flooring
 Tate Engineering Systems Inc.
 Technical Translation Services
 TEMP-AIR
 Tensar International Corp.

Terminix Commercial
 Testo Inc.
 Teupen USA Inc.
 Thermaxx LLC
 Thinkage Ltd. (MainBoss)
 ThyssenKrupp Elevator
 Tioga Energy Inc.
 TMA Systems LLC
 Total Asphalt/Concrete Maintenance
 Total Door
 TownSteel Inc.
 Tremco Inc.
 Truland Group
 TSI Inc.
 U.S. Department of State
 UGL Services
 Unger Enterprises Inc.
 Universal Lighting Technologies Inc.
 Unlimited Restoration Inc.
 Vantage Vehicle International Inc.
 VDA (Van Deusen & Associates)
 VFA Inc.
 Viconics Electronics Inc.
 Vision Technologies Inc.
 VRTX Technologies
 VSC Fire & Security
 Waldmann Lighting
 Washington Gas Energy Services
 WaterFurnace International Inc.
 WattStopper
 Weil-McLain
 Whittaker Co., R.E.
 Wilmot Modular Structures Inc.
 WM LampTracker (WMLT)
 Workplace Essentials
 ZOO Fans
 ZTS Inc.
 Zurn Engineered Water Solutions

NFMT LODGING INFORMATION



Discount hotel rates are available to NFMT attendees at several Baltimore Inner Harbor hotels. All are within walking distance of the Baltimore Convention Center. All reservations must be made by February 1, 2011. To book your room(s) visit nfmt.com/travel/hotel.asp or call 1-800-282-6632. Go online to learn about new special offers from participating hotels, only for NFMT participants!

4 Ways to Reserve Your Room

ONLINE: www.nfmt.com/Travel/Hotel.asp

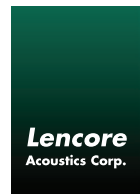
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Registrant Information

(Please print or type. This form can be photocopied for additional registrations)

To pre-register, fax or mail this form to arrive by March 11, 2011. After this date, register online or bring this form to register on-site and save \$50.

I'd like to register for FREE admission to NFMT. My free conference session selections are indicated to the right.

Three Easy Ways to Register:

- 1) **ONLINE** www.nfmt.com
- 2) **FAX** This form to arrive by March 11:
708-344-4444
- 3) **MAIL** This form to arrive by March 11:
CompuSystems Inc.
P.O. Box 624
Brookfield, IL 60513-0624

Attendee Information

Priority Code from Mailing Panel _____

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Title _____

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Please send me information on exhibiting

Attendee Demographic

What age group do you belong to?

- Under 35 years old 45 to 54 years old 65 years or older
 35 to 44 years old 55 to 64 years old

Type of organization/facility (Check one)

- Architectural/Consultants/Contractors Government Retail
 Commercial Hospitality Utility
 Educational Industrial Other _____
 Energy/Allied Firms Medical _____

Job Function (Check one)

- Construction Management Maintenance Management
 Energy Management Operations Management
 Engineering Management Property/Asset Management
 Executive Management Security Management
 Facility Management Other: _____
 Grounds Management

Total Number of Buildings: (Check one)

- 1000 or more 100-499 20-49 8-13 1-3
 500-999 50-99 14-19 4-7 N/A

Total Square Footage: (Check one)

- 10 million or more 500,000-999,999 Less than 100,000
 3 million-9,999,999 100,000-499,999 N/A
 1 million-2,999,999

Buy/Specify/Recommend: (Check all that apply)

- | | |
|--|---|
| <input type="checkbox"/> Access Control/Security | <input type="checkbox"/> Lighting/Controls |
| <input type="checkbox"/> Building Automation | <input type="checkbox"/> Maintenance Products |
| <input type="checkbox"/> Building Services | <input type="checkbox"/> Material Handling |
| <input type="checkbox"/> Carpeting | <input type="checkbox"/> Motors/Drives |
| <input type="checkbox"/> Ceilings | <input type="checkbox"/> Paints/Coatings |
| <input type="checkbox"/> Diagnostic/Monitoring Instruments | <input type="checkbox"/> Power (Power, rental, generation, quality) |
| <input type="checkbox"/> Door Hardware | <input type="checkbox"/> Power Tools |
| <input type="checkbox"/> Elevators | <input type="checkbox"/> Restroom/Plumbing |
| <input type="checkbox"/> Energy Management | <input type="checkbox"/> Roofing |
| <input type="checkbox"/> Fire Safety | <input type="checkbox"/> Software |
| <input type="checkbox"/> Floor Care Equipment | <input type="checkbox"/> Sustainable Products |
| <input type="checkbox"/> Flooring | <input type="checkbox"/> Telecommunications |
| <input type="checkbox"/> Grounds Care Equipment | <input type="checkbox"/> Windows/Doors/Entry Systems |
| <input type="checkbox"/> HVAC Equipment | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> IAQ Products | |

How much do you anticipate spending on facility operations, renovation and new construction in the next 12 months?

- \$10 million or more \$500,000 to \$999,999
 \$5 million to 9,999,999 Less than \$500,000
 \$1 million to \$4,999,999 N/A

Which of the following associations (if any) do you belong to? (Check all that apply)

- | | | | | | |
|-------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> AEE | <input type="checkbox"/> ASHRAE | <input type="checkbox"/> CEFPI | <input type="checkbox"/> IREM | <input type="checkbox"/> NASFA | <input type="checkbox"/> PRSM |
| <input type="checkbox"/> AFE | <input type="checkbox"/> ASID | <input type="checkbox"/> IDCE | <input type="checkbox"/> ISSA | <input type="checkbox"/> NFPA | <input type="checkbox"/> SAME |
| <input type="checkbox"/> AIA | <input type="checkbox"/> ASIS | <input type="checkbox"/> IEE | <input type="checkbox"/> ISFE | <input type="checkbox"/> NPFMA | <input type="checkbox"/> USGBC |
| <input type="checkbox"/> APPA | <input type="checkbox"/> BOMA | <input type="checkbox"/> IFMA | <input type="checkbox"/> NAIOP | <input type="checkbox"/> NSPMA | |
| <input type="checkbox"/> ASHE | <input type="checkbox"/> CABA | <input type="checkbox"/> IIDA | <input type="checkbox"/> NAPE | <input type="checkbox"/> PGMS | |

Workshops

Pre-registration price \$99 each for NFMT Platinum members, \$149 for non-members

On-site price \$249 each

Monday, March 14 • 1:00pm - 4:30pm

- PC1 Catastrophe Lab: An Emergency Preparedness Simulation Exercise
 PC2 Keys to Unlocking Sustainable Opportunities in Existing Buildings

Friday, March 18 • 8:00am - noon

- PC3 How (and When) to Comply with ADA Final Regulations

FREE Educational Sessions

Please make your session selections, actual session titles and details can be found at www.nfmt.com

Tuesday, March 15

8:00am General Session

9:00am T1.18 T1.21 T1.24 T1.27 T1.37 T1.39
 T1.41 T1.43 T1.45 T1.47 T1.49

10:00am T2.18 T2.21 T2.24 T2.27 T2.37 T2.39
 T2.41 T2.43 T2.45 T2.47 T2.49

11:00am T3.18 T3.21 T3.24 T3.27 T3.37 T3.39
 T3.41 T3.43 T3.45 T3.47 T3.49

Wednesday, March 16

7:45am Solutions Exchange

9:00am W1.18 W1.21 W1.24 W1.27 W1.30 W1.37
 W1.39 W1.41 W1.43 W1.45 W1.47 W1.49

10:00am W2.18 W2.21 W2.24 W2.27 W2.30 W2.37
 W2.39 W2.41 W2.43 W2.45 W2.47 W2.49

3:10pm W3.16 W3.18 W3.21 W3.24 W3.20 W3.30
 W3.37 W3.39 W3.41 W3.43 W3.45 W3.47
 W3.49

4:00pm W4.30 W4.37 W4.39 W4.41 W4.43 W4.45
 W4.47 W4.49

Thursday, March 17

8:00am General Session

9:00am R1.18 R1.21 R1.24 R1.27 R1.37 R1.39
 R1.41 R1.43 R1.45 R1.47 R1.49

10:00am R2.18 R2.21 R2.24 R2.27 R2.37 R2.39
 R2.41 R2.43 R2.45 R2.47 R2.49

2:10pm R3.18 R3.21 R3.24 R3.27 R3.37 R3.39
 R3.41 R3.43 R3.45 R3.47 R3.49

3:10pm R4.37 R4.39 R4.41 R4.43 R4.45 R4.47

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