

WINTER 2018

MiAPPA CONFERENCE

KEYNOTE SPEAKERS

March 21, 8:15 a.m.—9:30 a.m.

“Educational Facilities – Preparing for Man-Made Disasters”

Frank DeAngelis, Principal of Columbine High School, and **Kristina Anderson**, student survivor of Virginia Tech shooting

Abstract: DeAngelis and Anderson will provide a powerful presentation on how their lives changed the day an active shooter entered their educational institution. As a facilities professional, it is important to not only recognize an active shooter as a public safety and security issue, but also our role interacting with the responders in buildings who need information on mechanical and locking systems, personnel, and overall building management.

Biography:

Frank DeAngelis became principal of Columbine High School in the Jefferson County School District in Littleton, Colorado in 1996. Frank was the lead administrator on site on April 20, 1999 when two students entered the high school with weapons; he came in contact with one of the shooters and was able to shepherd students to safety. Frank was looked upon to lead during the immediate aftermath of the violence that occurred in Columbine. Frank will talk about the importance of being prepared to know your building and understanding the importance of relaying information about systems in your building. He retired in June of 2014 after 35 years at Columbine High School. He is presently serving as a consultant for safety and emergency management for the Jeffco School District and continues to talk with audiences about school security. Frank is actively involved in the Frank DeAngelis Columbine High School Academic Foundation, and serves on the board for the Columbine Permanent Memorial.

Kristina Anderson is a survivor of the 2007 Virginia Tech tragedy. As a sophomore in college at the time, Kristina was shot three times inside Norris 211, one of the most critically affected classrooms. Since then, Kristina has started the Koshka Foundation for Safe Schools, a nonprofit dedicated to improving campus safety education by incorporating the perspective of survivors and lessons learned from past experiences, to trainings. Speaking to law enforcement, educators, first responders, and the public, the Koshka Foundation shares the importance of personal preparedness, pre-planning for emergencies, and steps to prevent future violence.

March 22, 8:30 a.m.—9:30 a.m.

“Educational Facilities – Preparing for Natural Disasters”

Don Guckert, AVP, University of Iowa

Abstract: Guckert will provide a sit on the edge of your seat presentation where he will be sharing his first-hand experience of the massive flood that occurred in 2008 at the University of Iowa. As many of you know, Michigan is not immune to floods, and many sister schools have experienced these events in past years. However, none have experienced a natural disaster of the magnitude that occurred 10 years ago to the University of Iowa. It is considered the largest facility loss on a campus in United States history.

Biography:

Don Guckert serves as the associate vice president for Facilities Management at the University of Iowa where he is responsible for campus planning, space management, design and construction, utilities production and distribution, energy management, custodial services, landscape operations, maintenance, and the office of sustainability. Prior to joining UI in 2003, Don was director of planning, design and construction for the University of Missouri. He has thirty years of experience in higher education facilities management and an additional ten years of construction industry experience. Don is a dean and faculty member for APPA’s Institute for Facilities Management and is currently serving as APPA’s President-Elect. He is a licensed professional engineer and holds a master’s degree in engineering management and bachelor’s degrees in engineering and liberal arts & sciences. He has presented at annual meetings for MAPPA, CAPP, RMA, PCAPP, VAPP, Big Ten and Friends, Big 12 and Friends, ACUHO-I, SCUP, and NACUBO. He also has presented at local and regional meetings for various construction and design groups (CSI, DBIA, AGC, AIA), and the Missouri Bar Association.

BREAKOUT SESSIONS: CAPITAL PROJECTS

March 21, 10:00 a.m.—11:00 a.m.

A1: *“Rapid Delivery Driving Tangible Results”*

Presenters: Lindsay L. Gray, LEED BD+C, Space Management Coordinator, Michigan State University, Todd Wilson, Project Representative, Infrastructure Planning & Facilities Planning, Design and Construction, Michigan State University, Beth Adams, RA, Senior Associate, Project Manager, TMP Architecture, Deb Brazen, RA, NCIDQ, LEED AP BD+C, Project Manager, TMP Architecture, Tim VanAntwerp, PE, Esq, Vice President, Granger

Abstract: When the stakes are high and the potential for the project to go south affects every employee and student on campus, flexibility and teamwork is the key to success. Learn how a collaborative design-build team was brought together, shifting roles and working together under a quick timeframe. As part of the Student Health Services Renovation at Michigan State University, TMP Architecture and Granger, alongside the University, worked well together to ensure that issues were identified and resolved as they arose. Join us to learn what happened when we combined delivering results on a compressed timeframe and the effects of participation and communication.

March 21, 11:15 a.m.—12:15 p.m.

A2: *“The Key Elements of a Successful P3 Housing Project—Northern Michigan University”*

Presenters: Kathy Richards, AVP Engineering and Planning/Facilities, Northern Michigan University, Jim Thams, Director of Facilities/Campus Planning, Northern Michigan University, Julie Skolnicki, EdR, Kirk Frownfelter, Walbridge, and Gene Carroll, Neumann/Smith Architecture

Abstract: In 2015 over half of Northern Michigan University’s residence halls were in need of renovation or replacement. Built in the mid-1960s these facilities lacked both the function, amenities and appeal of modern residence halls today’s students expect. With a need to renovate and modernize both its aging housing stock and other campus facilities, NMU looked to alternatives to traditional financing and delivery methods. The alternative, a Public Private Partnership (P3), was evaluated, solicited and executed making NMU the first Michigan university to deliver an on-campus P3 housing project. Currently two-thirds complete, NMU’s new 353,000 square foot housing complex has enabled NMU to provide modern, attractive housing, while reserving debt capacity for other capital projects.

March 21, 2:00 p.m.—3:00 p.m.

A3: *“The Key Elements of a Successful P3 Housing Project—Wayne State University”*

Presenters: Ekta Kamalia, Project Manager, Wayne State University, Michael Decoster, AIA, Vice President, Hamilton Anderson Associates, Kaitlynn Hill, Architect, Hamilton Anderson Associates, Geoff Eisnacher, VP Partnership Development, Corvias, and Lynn Rogien, Project Executive, Gilbane Building Company

Abstract: Wayne State University has selected the private developer Corvias to create a public private partnership (P3) model that allows the university to raise capital, reinvest in existing housing, and create new housing while maintaining university ownership and revenue. This presentation will review the first project in the 40-year partnership, the design and construction of a new 841-bed student housing facility. The presentation will touch on the design of the new student apartment complex, its interaction with the surrounding context, and the unit design. The presentation will also include the construction challenges such as the unique soils conditions and the aggressive schedule. The project includes a unique structural framing system, utilizing structural steel stud panel system providing efficiencies in speed, weight and cost. The unique financial model works, allowing WSU to retain ownership of the building and revenue while raising money off the university’s balance sheet, will also be covered.

March 22, 9:45 a.m.—10:45 a.m.

A4: *“WMU Heritage Hall: Worst to First”*

Presenters: DeVon C. Miller, Building Commissioning Specialist, Western Michigan University, Shannon Sauer-Becker, Project Manager, Western Michigan University, Bill Zaske, Project Manager, TowerPinkster, and Jon Rumohr, Mechanical Engineer, TowerPinkster

Abstract: Transforming a 115-year-old, mothballed building into an Alumni Center that is the most energy efficient building on campus. From the start, the design of Heritage Hall was to be a touchstone experience for Alumni and the Kalamazoo community, as well as the most sustainable and energy efficient building on campus. Western Michigan University and TowerPinkster worked together to realize those goals, through innovative engineering solutions and architectural design that created both a revitalization of the WMU’s oldest building and a LEED Platinum project.

March 22, 11:00 a.m.—12:00 p.m.

A5: *“Staying Ahead of the Sustainability Curve”*

Presenters: DeVon C. Miller, Building Commissioning Specialist, Western Michigan University and Ryan Musch, PE, LEED AP BD+C, Senior Civil Engineer, Fishbeck, Thompson, Carr & Huber, Inc.

Abstract: LEED Certification is an achievement well recognized across university campuses. As LEED continues to evolve and change the market as a certification program, additional programs have emerged to allow certification to projects once deemed uncertifiable. This session will focus on LEED updates, new programs including the Sustainable SITES Initiative for site based projects and ParkSmart for parking facilities. We will discuss ideal projects that can take advantage of multiple certification programs and strategies to implement sustainability on several types of campus facilities.

March 22, 11:00 a.m.—12:00 p.m.

B5: *“Trends in Student Housing”*

Presenters: WMU Student Affairs, Jackson Kane, AIA, Principal, Lord Aeck Sargent, and Ben Ridderbos, AIA, LEED AP, Sr. Associate, Lord Aeck Sargent

Abstract: Student housing is a recruitment and retention tool in the competition to attract a shrinking pool of high school graduates. Western Michigan University opened the state’s first “Pod Style” housing to support recruitment and retention with a housing model that consciously building community among incoming students. Some campuses renew outdated existing student housing or repurpose academic buildings to create new models, such as living/learning communities. As LEED has entered the mainstream, the green building dialogue has evolved to include new topics such as equity, health and wellness, resilience, and net zero performance. Campuses are also changing how they fund capital projects. Learn about these and other current trends in student housing and the campus built environment.

March 22, 12:30 p.m.—1:30 p.m.

Lunch at WMU Valley Dining Center: *“The Power of Food”*

Presenters: Judith Gipper, Director of Dining Services, Western Michigan University, Zachary Bosma, Project Executive, The Christman Company, and Bob Varga, Lead Project Designer, SmithGroupJJR

Abstract: Why are campuses across the country spending hundreds of millions of dollars on new and renovated dining facilities? Come learn how the new stand-alone 61,000 square foot Valley Dining Center facility is helping Western Michigan University recruit and retain more students. In addition, the A/E and the CM will discuss the latest dining trends learned over the completion of over a dozen major university dining facilities nationwide. Western Michigan University Dining Services will bring the owner’s perspective on the keys to operational success. The architect/engineer will discuss the design elements that students are drawn to the most. And the CM will elaborate on the construction lessons learned, including infrastructure and sustainability challenges. The format for the session is planned to be both a presentation and a panel discussion.

BREAKOUT SESSIONS: OPERATIONS

March 21, 10:00 a.m.—11:00 a.m.

B1 Maintenance: *“Putting Your Data to Work for You”*

Presenters: DeVon C. Miller, Building Commissioning Specialist, Western Michigan University, and Alex Grace, VP of Business Development, KGS Buildings

Abstract: Facility managers seek to equip their teams with smarter tools that will provide actionable insights, drive proactive maintenance, and track the impact of their work for management and resource planning. This presentation provides key lessons learned and examples of value from implementing Fault Detection & Diagnostics (FDD) at Western Michigan University (WMU). The presentation demonstrates how FDD maximizes your existing data and systems to decipher faults and/or opportunities across your equipment and buildings; the requirements and expectations for adopting this technology at your campus; how the use of analytics augments your team’s workflow and drives proactive maintenance; and lays out the stakeholder benefits seen at WMU.

March 21, 11:15 a.m.—12:15 p.m.

B2 Custodial: *“Workloading: Foundation for Success”*

Presenters: Sean Fox-Elster, Associate Custodial Manager, Michigan State University and Brandon Baswell, Custodial Manager, Michigan State University

Abstract: A successful Custodial Operation applies a holistic strategy to develop a high performance cleaning program. The program relies on a checks and balances approach to ensure that the operation is running efficiently while accomplishing its cleaning goals. Workloading provides the foundation of the program, training reinforces the workloading, and regular audits test the program’s success.

March 21, 2:00 p.m.—3:00 p.m.

B3 Power Plant: *“Effective Campus Energy Management”*

Presenters: George Jarvis, Director of Power Plant, Western Michigan University, Brian Bird, Vice President, HDR, and Andy Sutherland, Project Manager, HDR

Abstract: Management of campus energy demands in today’s market is more complex than ever, requiring utility managers to account for several transient factors in planning a path forward for future success. These factors include aging infrastructure, fuel pricing uncertainty, increased demand charges and increased disparity between on-peak/off-peak electric, building energy efficiency improvement, renewable portfolio standards, and sustainability. Balancing all these factors while maintaining reasonable redundancy and cost effectiveness requires robust and flexible solutions that succeed in a variety of market conditions. Proactive analysis to identify innovations and market trends that impact the ability to effectively meet campus demand can mitigate risks and determine a comprehensive strategy for future success. This program examines several of the substantial issues facing today’s managers in meeting campus energy demand needs into the future.

March 22, 9:45 a.m.—10:45 a.m.

B4 Landscape: *“The Dirt on Campus Soil”*

Presenters: Mark Frever, Director of Landscape Services, Western Michigan University, Nicholas Gooch, Horticulturist, Western Michigan University, and Brain Mavis, Mavis Consulting, Ltd.

Abstract: Soil covers approximately 1200 acres of Western Michigan University property. Almost all campus structures (roads, sidewalks, dorms, halls, energy and water supply structures) are built on and in soil. Since soil is so vital to campus life, WMU has to move and manipulate it in order to utilize it. This, however, can lead to environmental problems, soil loss, and degradation. Soil content that falls within the general ranges listed in the ASTM D5268 Standard Specification for Topsoil Used for Landscaping Purposes will typically form suitable topsoil. It must, however, be recognized that on our respective campuses, concurrence with the values are difficult. This presentation will explain how WMU Landscape Services is collaborating with Horticulturists, Landscape Architects, Sports Turf Managers, Campus Planning and Construction to address each site specifically.

