

Safeguarding and Sustaining Campuses Today ... For the Future

2020 WINTER MiAPPA CONFERENCE

March 18-20

Bavarian Inn Lodge & Conference Center



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SUPERVISOR'S TOOLKIT AGENDA

MONDAY, MARCH 16

After 3:00 PM – Hotel check-in | Main Lobby

TUESDAY, MARCH 17

7:45AM – 8:30AM | Altmuehl
Breakfast

8:30AM – 5PM | Altmuehl
Supervisor's Toolkit

10AM – 10:15AM | Altmuehl
Break

12:00PM – 1:00 PM | Danube
Lunch

3:00PM – 3:15PM | Altmuehl
Break

3:00 PM | Main Lobby
Hotel Check - In
**Dinner will not be provided*

WEDNESDAY, MARCH 18

7:45AM – 8:30AM | Altmuehl
Breakfast

8:30AM – 5PM | Altmuehl
Supervisor's Toolkit

10:00AM – 10:15AM | Danube
Break

12:00PM – 1:00PM | Danube
Lunch

3:00PM – 3:15PM | Danube
Break

6:00PM – 9:00PM | Bavarian Inn Restaurant
Meet & Greet
Shuttle Available

****BADGE MUST BE ON FOR ENTRANCE TO MEET
& GREET, NO EXCEPTIONS!**

THURSDAY, MARCH 19

7:00AM – 8:00AM | Composer
Breakfast

**Sponsored by: Clark Construction Company, Frank
Rewold & Sons, Inc., Pullman, Siemens**

8:00AM – 5:00PM | Altmuehl
Supervisor's Toolkit

8:00AM – 8:15AM | Composer Room
Welcome Opener – Patricia Engle

8:15AM – 9:30AM | Composer Room
Keynote: Michele Stuart from JAG Investigations, Inc.

9:30AM – 9:45 AM | Composer Room
Willkommen to Frankenmuth! Judy Zehnder Keller

10:00AM – 11:00AM | River & Composer Lobby,
Mozart Room
Break | Networking

12:00PM – 1:00PM | Composer
Lunch

**Sponsored by: Beckering Construction, Diekema
Hamann, Fishbeck, GMB Architecture + Engineering,
Michigan Department of Environment Great Lakes &
Energy, Quality Air Service, Inc., Stantec Architecture**

1:00PM – 1:30PM | River & Composer Lobby
Networking

2:30PM – 3:00PM | River & Composer Lobby, Mozart
Room
Break | Networking

4:00PM – 4:30 PM | River & Composer Lobby
Networking

5:00PM – 6:00PM | Composer & Mozart Room
Social

**Sponsored by: Belfor USA, Cintas, Interstate
Restoration, Progressive AE, Sachse Construction,
SME**

6:30PM – 9:00PM | Composer Room
Mini Bavarian Festival
Raffle immediately following dinner
Sponsored by: Peter Basso Associates, Inc.

9:00PM – 11:00PM | Ratskeller (Fun Center)
Miniature Golf / March Madness
**After Glow Events sponsored by: HED, IBI Group,
Owen-Ames-Kimball Co.**

CONFERENCE AGENDA

WEDNESDAY, MARCH 18

10:00AM – 5:00PM | Rhine
MiAPPA Energy Engineer Meeting

2:00PM – 9:00PM | Lodge Conference Center
Conference Check-In

***BADGE MUST BE ON AT ALL TIMES DURING CONFERENCE, NO EXCEPTIONS!**

3:00PM | Main Lobby
Hotel Check – In

3:00PM – 10:00PM | **Vendor Booth Setup**
River Room Lobby (1st Floor)
Composer Room Lobby (2nd Floor)

6:00PM – 9:00PM | Meet & Greet
Bavarian Inn Restaurant
Shuttle Available

***BADGE MUST BE ON FOR ENTRANCE TO MEET & GREET, NO EXCEPTIONS!**

Sponsored by: ABD Engineering & Design, Alta Equipment Company, Barton Malow, International Masonry Institute, PEA Inc., SmithGroup, The Collaborative, Walbridge, Young's Environmental Cleanup Inc.

THURSDAY, MARCH 19

6:00AM | Lodge Conference Center
Conference Check-In

6:00AM – 8:00AM | **Vendor Booth Setup**
River Room Lobby (1st Floor)
Composer Room Lobby (2nd Floor)

7:00AM – 8:00AM | Composer Room
Breakfast

Sponsored by: Clark Construction Company, Frank Rewold & Sons, Inc., Pullman, Siemens

8:00AM – 8:15AM | Composer Room
Welcome Opener – Patricia Engle

8:15AM – 9:30AM | Composer Room
Keynote: Michele Stuart from JAG Investigations, Inc.

9:30AM – 9:45 AM | Composer Room
Willkommen to Frankenmuth! Judy Zehnder Keller

10:00AM – 11:00AM | River & Composer Lobby, Mozart Room
Break | Networking

11:00AM – 12:00PM | Rhine, Mosel, Danube, & Lorelei

Breakout Session 1

Rhine: Planning, Implementation and Management of a Secure Campus
Mosel: Using the Living Building Challenge to Design for New Pedagogies
Danube: Innovations in Community Based Crime Reduction - Moderated Panel
Lorelei: Prefabricated Exterior Walls for Increased Campus Safety, Sustainability and Expedited Project Delivery

12:00PM – 1:00PM | Composer Room

Lunch

Sponsored by: Beckering Construction, Diekema Hamann, Fishbeck, GMB Architecture + Engineering, Michigan Department of Environment Great Lakes & Energy, Quality Air Service, Inc., Stantec Architecture

1:00PM – 1:30PM | River & Composer Lobby

Networking

1:30PM – 2:30PM | Rhine, Mosel, Danube, & Lorelei

Breakout Session 2

Rhine: BECx Marks the Spot!
Mosel: We're Not in Kansas Anymore: Is Your Tornado Shelter Good Enough?
Danube: Capital Outlay Outlook 2020
Lorelei: Building Wide System Integrations – Connected Technologies

2:30PM – 3:00PM | River & Composer Lobby, Mozart Room

Break | Networking

3:00PM – 4:00PM | Rhine, Mosel, Danube, & Lorelei

Breakout Session 3

Rhine: The Strategic Management of Physical Plant & Building Performance Issues
Mosel: Design Strategies that Incorporate Secure In-Place Strategies while Balancing Need for Open and Collaborative Environments
Danube: Smart Building for Smart Campuses
Lorelei: Data Driven, Low Carbon Energy Solutions for a Sustainable and Resilient Campus

4:00PM – 4:30 PM | River & Composer Lobby

Networking

4:30PM – 5:00PM | **Vendor Booth Break Down**

River Room Lobby (1st Floor) must tear down Thursday, March 19, completion by 5 PM

Composer Room Lobby (2nd Floor) must tear down by Friday, March 20, completion by 10 AM

5:00PM – 6:00PM | Composer & Mozart Room

Social

Sponsored by: Belfor USA, Cintas, Interstate Restoration, Progressive AE, Sachse Construction, SME

6:30PM – 9:00PM | Composer Room
Mini Bavarian Festival
Raffle immediately following dinner
Sponsored by: Peter Basso Associates, Inc.

9:00PM – 11:00PM | Ratskeller (Fun Center)
Miniature Golf / March Madness
After Glow Events sponsored by: HED, IBI Group, Owen-Ames-Kimball Co.

FRIDAY, MARCH 20

7:00AM – 10:00AM | **Vendor Break Down**
Composer Room Lobby (2nd Floor) must tear down by Friday, March 20, completion by 10 AM

7:30AM – 9:00AM | Composer Room
Breakfast

8:30AM – 9:30 AM | Composer Room
Campus Updates & APPA Community Presentation

9:30AM – 10:30 AM | Composer Room
Crime Prevention Through Environmental Design (CPTED)

KEYNOTE SPEAKER

Michele Stuart, JAG Investigations, Inc.

8:15 – 9:30 AM | Composer Room

Michele Stuart has 28 years of investigative and training experience. Beginning her career in financial investigations, she then formed JAG Investigations, Inc. in 1997. Ms. Stuart's area of expertise includes OSINT, counter intelligence, insurance fraud investigations, financial investigations, threat assessments, due diligence, organized retail crime, corporate and competitive intelligence.

Ms. Stuart consults and trains federal, state and local law enforcement agencies, the military intelligence communities, fortune 500 companies as well as the financial and insurance industries in open source, social media and threat assessments / mitigation. She has been an Instructor at Quantico (FBI Academy) for International training programs and an Adjunct Professor with University of Virginia.

In 2017, Ms. Stuart partnered with Pennsylvania Office of Homeland Security creating a program "Keeping Kids Safe", training administrators, principals, teachers, SRO's and parents on the dangers of online and social media activity, predator grooming as well as the dangers of applications / cellular security.

WELCOME FROM JUDY ZEHNDER KELLER!

9:30 – 9:45 AM | Composer Room

Judy Zehnder Keller is the president and owner of the Bavarian Inn Lodge in Frankenmuth, Michigan, which she designed and built in 1986. Now in its 4th generation of active management, the Bavarian Inn Corporation is something Judy has been a part of since childhood.

Judy attended Michigan State University where she received a B.A. in Hotel, Restaurant & Institutional Management and a M.A. in Educational Psychology (and a Ph.D. in 4 handed pinochle while at Michigan State).

Judy is married to Don Keller and resides in Frankenmuth, MI. They have 3 grown children and 5 grandchildren.

Judy is proud of her German Heritage serving on numerous committees. As Chair Woman for the Frankenmuth Sister City Committee for 22 years, she led over 700 students with friends and family on 10 tours to Germany. In addition to her active engagement and leadership within the Frankenmuth community, Judy currently serves on the Frankenmuth DDA Board, Michigan Tourism Hospitality Committee, Michigan Hotel/Motel Board of Directors and Concordia University Ann Arbor Board of Overseers.

Judy has a long line of "firsts": First female Frankenmuth City Council Member serving for 12 years; First female Rotary Club member in 1991 and then president in 2007-08.

Her numerous Frankenmuth, Saginaw County and State of Michigan recognitions and awards include an Ernst & Young "Entrepreneur of the Year" and from Michigan Lodging and Tourism Association "Hotelier of the Year". Judy was ranked 10th out of 200 national finalists in Start Up Nation's Leading Mothers in Business competition. In 2012 she received from Michigan State University the prestigious "Industry LEADER of the Year" presented by *The School of Hospitality Business*. In 2017, she received the Child Advocate of the Year from the Great Lakes Bay Region, Child Abuse and Neglect (CAN Council). These are just a few.

Currently the Bavarian Inn Lodge & Conference Center has 360 guest rooms, meeting/banquet space for 2-500 guests, four indoor pools, two water slides, three whirlpools, an indoor 18 hole mini golf, expansive Family Fun Center with over 150 arcade games and redemption area, weekly Sunday Brunch in the poolside courtyard, two restaurants, lounges, gift shops, tennis courts, exercise facilities, and is adjacent to Heritage Park and running trails.

When asked about her profession, Judy proudly says "I fry chicken and make beds for a living"

Safeguarding and Sustaining Campuses Today ... For the Future

EDUCATIONAL TRACKS

Sustainability & Energy:

- Using the Living Building Challenge to Design for New Pedagogies
- BECx Marks the Spot!
- Data Driven, Low Carbon Energy Solutions for a Sustainable & Resilient Campus

Security, Safety & Design:

- Innovations in Community Based Crime Reduction - Moderated Panel
- We're not in Kansas Anymore: Is your Tornado Shelter Good Enough?
- Design Strategies that Incorporate Secure In- Place Strategies while Balancing Need for Open and Collaborative Environments
- Crime Prevention Through Environmental Design (CPTED)

Connected Technology:

- Planning, Implementation and Management of a Secure Campus
- Building Wide System Integrations – Connected Technologies
- The Strategic Management of Physical Plant and Building Performance Issues

Building Systems & Construction:

- Prefabricated Exterior Walls for Increased Campus Safety, Sustainability, and Expedited Project Delivery
- Capital Outlay Outlook 2020
- Smart Buildings for Smart Campuses

BREAKOUT SESSIONS – Sustainability & Energy

March 19, 11 AM | Mosel

Using the Living Building Challenge to Design for New Pedagogies

Presenters: Ben Ridderbos (Lord Aeck Sargent),
Joshua R. Gassman (Lord Aeck Sargent)

Using one of the most stringent sustainable design metrics recognized globally (The Living Building Challenge), the Kendeda Building for Innovative Sustainable Design at Georgia Tech was created to support several sustainability-centric programs. A microcosm of the new curriculum fosters innovative thinking and education from multiple academic programs throughout the campus. This project demonstrates sustainable design can be replicable and cost-effective when designing new learning spaces.

March 19, 3 PM | Lorelei

Data Driven, Low Carbon Energy Solutions for a Sustainable & Resilient Campus

Presenter: James Leidel (DTE Energy)

Sustainable, low carbon energy systems are becoming the center of attention for many private and public institutions. Discussions of Net Zero carbon buildings and low carbon energy often focus on all electric solutions and the eventual electrification of everything. But is this practical, or even possible? This session will present issues surrounding real carbon accounting, affordability, and resiliency, to help you chart a practical and successful path for your institution's deep decarbonization.

March 19, 1:30 PM | Rhine

BECx Marks the Spot!

Presenters: Eric Murrell (SME), Jessica Thiebout (SME)

Enclosures...they're not just for dumpsters anymore! In their presentation "BECx Marks the Spot", Senior Consultant Eric A. Murrell, RA, CCS, BECxP CxA+BE, and Senior Project Architect Jessica Thiebout, RA, REWC, FMPC present common challenges and solutions related to Building Enclosure Commissioning (BECx). They'll help you mark the spot on the enclosure that needs further scrutiny and refinement to protect your prized assets. Eric and Jessica will discuss the ins and outs of building enclosure commissioning. Participants will leave with an understanding of common problems to look out for associated with typical enclosure designs, window flashings, moisture vapor diffusion, and expansion joints, and when tying new additions/buildings into existing structures. Participants will also leave with an arsenal of solutions to help address these problems while saving time and money.

BREAKOUT SESSIONS – Security, Safety & Design

March 19, 11 AM | Danube

Innovations in Community Based Crime Reduction - Moderated Panel

Presenters: Ray Hall (University of Michigan - Flint), Paul Crane (Kettering University), Tom Wyatt (Kettering University), George Hakim (University of Michigan – Flint) and Joseph Asperger (Kettering University)

This moderated discussion panel will focus on Kettering University and the University of Michigan Flint's collaboration through the *Community Based Crime Reduction grant* as well as design and safety initiatives on and off-campus. UM-Flint's Chief of Police Ray Hall, Kettering's Director of Campus Safety Paul Crane, and Kettering's Director of Neighborhood & Community Services Tom Wyatt, will discuss how the collaboration of Campus Safety and Facilities teams use of technology, shared services, and environmental design & assessment can reduce opportunities for crime and victimization while increasing quality of life on campus and in the surrounding community.

March 19, 3 PM | Mosel

Design Strategies that Incorporate Secure In-Place Strategies while Balancing Need for Open and Collaborative Environments

Presenters: Charlie Jacobs (Harley Ellis Devereaux), Jack Bullo (Harley Ellis Devereaux), Ryan Craven (University of Michigan - Flint), Ray Hall (University of Michigan - Flint)

Today's education buildings are focused on collaboration, flexibility, and engagement between all occupants in support of student learning and success in the classroom and beyond. However, there is an ever increasing need to consider campus safety that seems at odds with the planning of open and collaborative education environments. This presentation will highlight the successful collaboration between administration, campus security, and the design team to create strategies for safety that balance need for transparency and open collaborative environments.

March 19, 1:30 PM | Mosel

We're not in Kansas Anymore: Is your Tornado Shelter Good Enough?

Presenters: Erica Flannery (Progressive AE), Rich Pollman (National Weather Service)

Each year, more than 1,000 tornados strike the United States. The International Building Code recently released new storm shelter guidelines for all K-12 schools in the Midwest. This means Michigan schools must meet the same standards as those located in the notorious "tornado alley". The most drastic of these guidelines are the design wind pressures and test requirements for missile impact. Shelters must now be able to withstand winds of 250 mph, and resist a 2x4 lumber missile traveling at 100 mph. That's some serious force!

March 20, 9:30 AM | Composer

Crime Prevention Through Environmental Design (CPTED)

Presenters: Tom Wyatt (Kettering)

What is Crime Prevention Through Environmental Design? This session will explore the concepts of (natural and mechanical) surveillance, access control, territorial reinforcement, maintenance, social cues, and environmental cues. These concepts when layered are proven to reduce incidents of crime, victimization, and improve the quality of places.

BREAKOUT SESSIONS – Connected Technology

March 19, 11 AM | Rhine

Planning, Implementation and Management of a Secure Campus

Presenters: Brandon DeHann (Grand Valley State University) and Rick Freehafer (Grand Valley State University), Kenneth Andridge (Allegion), Jeff Koziol (Allegion), and Dan Sherman (University of Michigan)

Please join us for a presentation exploring the collaborative nature of planning, implementing and managing a secure campus. We have experts from Facilities & Operations, I.T.S. and Public Safety together to discuss cameras, access control, lockdowns, mass notification and secure in place hardware. They will discuss the challenges and successes of creating a design, gaining upper management approval and implementation. This is particularly highlighted by GVSU's state-of-the-art forensic video system.

March 19, 3 PM | Rhine

The Strategic Management of Physical Plant and Building Performance Issues

Presenters: James E. Spurr, Esq. (Miller Canfield Paddock and Stone, PLC), Sonal Mithani (Miller Canfield Paddock and Stone, PLC) and David Hand (Allana Buick & Bers, Inc.)

Miller Canfield Attorneys and Allana, Buick and Bers, Forensic Engineers pool their experience and offer how to best prepare for and handle concerns with new improvements; from buildings envelopes to the most complicated "smart" systems. Once your product is delivered, complex warranties and other claims periods often frustrate the resolution of significant issues with building and system performance and the financial close out of change orders and allowances. Time deadlines abound, insurance coverage can complicate, if not drive decision making and the myriad of techniques, from mediation to arbitration, do not always invite the proper parties to the table for the most efficient resolutions. Learn to "navigate the swirling waters" of those first few years of ownership and operation; preserving for the owner all possible options leading to successful resolutions.

March 19, 1:30 PM | Lorelei

Building Wide System Integrations – Connected Technologies

Presenters: John McCormick (Johnson Controls), Shane VanCise (Johnson Controls)

Building Wide Systems Integrations and Connected Technologies is a contracting method that brings disparate systems like Security, Fire and life safety systems into one converged network to provide smarter & safer college campuses and universities.

BREAKOUT SESSIONS – Building Systems & Construction

March 19, 11 AM | Lorelei

Prefabricated Exterior Walls for Increased Campus Safety, Sustainability, and Expedited Project Delivery

Presenters: Travis Sage (Stantec), Katie Jacobs (Western Michigan University), Jim Connor (Triangle Construction), Matt Novak (Triangle Construction), Dennis Moomey (Centerline Prefab), Andrew Rener (Bouma Construction)

The use of prefabricated exterior wall panels were employed for WMU's Arcadia Flats Apartments to avoid dangerous scaffolding conditions and to ensure a quick enclosure during inclement weather and containment of construction noise for the students housed next door. Coupled with the campus' sustainability goals for construction waste reduction, the prefabricated wall systems offered a unique solution to achieve these objectives. This presentation will share the unique collaboration and commitments required by the Owner, Designers, and Constructors to implement this solution and will explore the limitations, opportunities, and synergies of using these systems.

March 19, 3 PM | Danube

Smart Buildings for Smart Campuses

Presenters: Casey Talon (Navigant Research), Dan Francis (Michigan State University), Chris Pelton (Siemens), Joe Barger (Siemens)

In a more connected but complex world, buildings on campuses around the country need to be safer, smarter, resilient and more in tune with students and University staff. Join us in a panel discussion with 3 industry experts for an in-depth conversation about the smart buildings of the future for higher education campuses. Smart Buildings help institutions with Security, Comfort, Sustainability, Energy Security, and operational maintenance.

March 19, 1:30 PM | Danube

Capital Outlay Outlook 2020

Presenters: Amy Baumer, (The Christman Company), Ryan Fink (State of Michigan), Perry Zielak (State of Michigan), and Josh Sefton (State of Michigan)

This panel of experts will provide an overview of the Capital Outlay process, procedures and standards. They will discuss what's expected on the Capital Outlay horizon. Best practices in gaining funding approvals specifically for higher education projects will be discussed.