

AIA MIDDLE PA CHAPTER NEWSLETTER

Middle PA Chapter Tours New PSU Facility

PAGULA ICE ARENA OPEN FOR INAUGURAL SEASON



Penn State's two hockey teams have a brand new ice rink that incorporates the latest in technology and innovation. The 2013-14 Big 10 Hockey Season was ushered in at the ***New Pagula Ice Arena.***

The 228,000 square foot arena incorporates two ice rinks, locker rooms, training room and workout facility, coaches offices, simulators, storage, a food service area and food and public waiting area for parents of the youth teams that

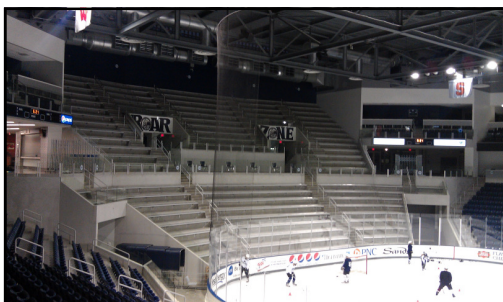
will also utilize this facility. The arena also has incorporated media rooms and technology that permits TV networks to beam their signal back to their stations without a satellite truck. The arena has 6,000 seats.

This premier facility was made possible by a \$102 million gift from PSU Alum Terryu Pegula and his wife Kim. Mr. Pegula is a self-made billionaire in the natural gas industry. This first-class facility offers the hardest, fastest and best ice in America, amenities that will attract student-athletes and therefore help with recruitment to the University, modern facilities, comfortable seating and luxury boxes and an overall great experience for students and the community alike.



The project designer was Crawford Architects in Kansas City with Bohlin Cywinsky Jackson, Wilkes-Barre. The Construction company that built the facility is Mortenson Construction of Minneapolis, MN. The unique ice plant uses three generators to produce the ice for the two arenas. The piping for this extends 10 miles throughout the arena. In order to keep the ice of both rinks in shape for practices, games, and other activities, three Zambonis are utilized.

The 6,000 seat capacity is divided into distinct areas. The permanent student section — **THE ROAR ZONE** — consists of steep bleacher sections designed to keep the students on their feet and “roaring” throughout the game. There are eight sections of non-student seating from rink side to high atop the arena bowl to luxury boxes and plush seating in corners with a fantastic view of the games.



Every home game for this inaugural season is a sell-out, and those lucky people with tickets are sure to see some great college hockey. From a dream to a gift to an unrivaled ice arena, Penn State University can now say, ***“WELCOME TO HOCKEY VALLEY!”***

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Conference

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AIA MIDDLE CHAPTER ADDRESS

If you are using the U. S. Postal Service to Contact the AIA Middle PA Chapter, please use the following:

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NEXT MID POINTS

Deadline for articles and information for the next newsletter is:

March 7, 2014

Please contact Dee Columbus, Editor, tdta2000@comcast.net

STAY CONNECTED

Please send new member information and any changes and/or additions in your contact information including email addresses to:

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Please be sure to visit the AIA Middle PA Chapter website to view the following:

- Chapter Officers
- Calendars
- Newsletter Archive
- Executive Committee Minutes
- Membership Information
- AIA Links
- Sponsorship & Advertising
- Mission Statement
- Project Photos

Message from the President

Tom Columbus, Jr., AIA, LEED AP

Happy New Year!

We are off to a cold start for 2014! However, our programming for 2014 is remaining active and very warm! We are starting off the New Year with continuing ed programs on January 29, hosted by Sheetz in Claysburg Pa.

February will follow with our annual Penn State Student presentation in State College. This keeps us in touch with the next generation of architectural personnel and allows us to see what the students learned at their annual AIAS conference and what is “on the screens” in the architectural studios.

March will have the annual AIA Grassroots Program in Washington D.C. where I will be pleased and happy to represent your best interests in the Federal arena. I will also bring back any pertinent info for distribution via the Newsletter or at our meetings.

We will be meeting with our good friends from ASHRAE for our joint meeting in April with a continuing ed presentation that applies to both of our professional groups. In the meantime a new student competition will be ongoing with PSU students spearheaded by Dwight Knouse, AIA and Randy Hudson, AIA from Hayes Large. Details are still being worked out, but this may run over in to May.

June will have some of us at the National Convention in Chicago IL. Please consider attending in that this is one of the “breadbaskets” of architecture in America.

Done?? Heck no, July has our annual Middle Chapter picnic, August our general meeting presentation, and September a building tour! October will be our spill over month for any programs we could not schedule and November, our annual planning meeting.

December will mark the end of my two-year office as President for the Middle Chapter and I will fall back in to being the Committee Chair for our biannual Symposium. The Presidency will then be taken over by a very capable Dave Albright, AIA.

Whew! Sounds like a good year to enjoy!

I also would like to remind you to continue to visit the AIA National Website for updates on the repositioning programs. On another note, again thanks to Rick Karcher, AIA for taking over the vacated position of AIA PA Board Director for us.

Until next time,
Tom

AIA Associates Corner – 2014 Links

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AFFILIATES CORNER

AIA MPC Welcomes New 2014 Affiliates!

The AIA Middle Pennsylvania Chapter extends a warm welcome to our 2014 affiliate members, some of whom signed on our 2013 Symposium and others who joined us as the new year kicked off. Our affiliates are invited to chapter meetings and our annual picnic. They will also be contributing stories and “news briefs” to our newsletter. Be sure to say hello the next time you see them!

Architectural Clay Products – Duke Bope, dukeb@architecturalclayproducts.com

Architectural Resources – Mike Clancy, Deb Merg, clancy1@verizon.net, dmerg@comcast.net

Daltile – Dave Mosovsky, david.mosovsky@daltile.com

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Patcraft – Bill Ludwig, bill.ludwig@patcraft.com

Thinking Inside the Box

Moses D.F. Ling, Associate Professor of Architectural Engineering, Penn State University

“To be, or not to be: that is the question:” Shakespeare penned these words in the opening dialog of *The Tragedy of Hamlet*. Modern architects may ask the question: “to be passive, or not to be passive?” Whether it is nobler to simply design buildings that need less energy (passive) or to design buildings that rely on technology to provide the answer? After all, we now have lower cost photovoltaic panels made in China. Soon, they will be sold in Home Depots and Lowe’s, right? Having the good fortune to work the past several summers with Architectural Engineering students in, I came home this summer more convicted that a global paradigm shift is necessary. If you are debating the question, I hope two stories from China can help steer your choice.

On the news one night, I saw this woman being interviewed about the plight of her dying village. The reporter referred to the village in the background as one of the toxic villages scattered around China these days. She explained that they are no longer able to plant food for themselves in the toxic soil. Certainly they would not think of growing food for sale, a staple of their existence. She wondered aloud what is to happen to them. As it turned out, a manufacturer upstream had polluted the waterways leading to their fields. To grow rice, the fields are flooded. Their fields have become the dumping ground for toxic chemicals. At this point, the manufacturer has shut down and disappeared, perhaps having made its fortune. No one is helping them recover from this disaster. Even if they were to cleanup, it would be decades before the soil will be safe enough to grow food again. What were they manufacturing that caused the toxicity, you ask? The answer: chemicals necessary to produce photovoltaic panels. How ironic? Should we hope for cheaper PV panels?

Over the holidays, I enjoyed a cup of coffee with my good friend from the Horticulture Department. He also spends summers in China, in his case, with horticulture and landscape architecture students. He is planning a visit to a manufacturer who has turned the entire sprawling factory roof into a farm to produce food for his workers. Knowing that the soil is contaminated, the committed manufacturer imported clean soil from Denmark to be assured that the food is produced organically. In addition, his design harvests rainwater for irrigation. What a commitment! If you have been paying attention to the news from China this last year, the pollution in the air is so thick it can be cut with a knife. Breathing that air is equivalent to passive smoking 11 cigarettes a day. Fortunate for me last summer, I was spared this health risk. The pollution was washed down periodically by rainfall...some of it into the rainwater collection systems.

Hamlet continues: “Whether 'tis nobler in the mind to suffer the slings and arrows of outrageous fortune, or to take arms against a sea of troubles, and by opposing end them?”

TWO CEU CREDIT LUNCH AND LEARN

**Comfort Inn
130 Patchway Road, Duncansville, PA 16635**

ALL ARCHITECTS AND DESIGNERS WELCOME

RSVP requested

**WEDNESDAY FEBRUARY 19TH, 2014 11:00AM to
1:30PM**

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**Please RSVP by 2/5/2014
Via email bbonnie64@verizon.net
Via Phone 412-427-3888**

22ND ANNUAL PA HOUSING & LAND DEVELOPMENT CONFERENCE

FEBRUARY 19-20, 2014 | STATE COLLEGE, PA

REGISTER ONLINE AT WWW.ENGR.PSU.EDU/PHRC



WEDNESDAY 2/19 HOUSING DAY

The Housing Day of the PHRC

Conference focuses on housing structures and their systems bringing together all sectors of the housing industry including builders, remodelers, code officials, design professionals, educators, and factory-built housing manufacturers.

OPTIONAL TOURS

New this year! At the end of technical sessions on Day 1, conference attendees can choose to tour one of Penn State's innovative research facilities. Choose between:

- Sustainability Institute's MorningStar Solar Home

or

- Building Component and Enclosure Research Lab

HOUSING KEYNOTE

- Building America: High Performance and Technology that Works | Brad Oberg

TRACK 1 DESIGN & INNOVATION

- Passive Houses: Making Better Buildings and Using Less Energy | Michael Wharmby & Laura Nettleton
- Innovations in Swedish Factory-Built Housing | Gregory La Verdara
- Infill - Urban Renewal Challenges for Both Structure and Site Design | Elizabeth Baldwin

TRACK 2 CONSTRUCTION

- Stormwater 101 | Katie Blumett, PhD, PE
- Super Efficient Remodel Design and Construction | Michael Merrick
- Wood Design for Builders "Lessons from the Field" | Brennan Glantz, PE

TRACK 3 BUILDING CODE

- Installation and Habitability Guidelines for Enclosed Manufactured Housing | Mark Conroy
- Viability, Aging in Place & Accessibility: What is the Difference? | Amy Martin, AIA, CAAH
- UCC Q&A Panel Discussion | Bob Buckenbake, BCO & Matt Light, BCO

THURSDAY 2/20 LAND DEVELOPMENT & TRAINING

The Land Development Day of the conference focuses on emerging, planning, design, and regulatory issues affecting the land development industry. The day's programs are intended for anyone involved in land development activities, including engineers, builders, developers, design professionals, planners and regulatory officials.

TRAINING PROGRAMS

Two training programs programs will also be offered for builders, design professionals, code officials and others on Thursday, February 20th from 8:30-4:30.

- Building Science
- Detailed Residential Energy Plan Reviews and Inspections

LAND DEVELOPMENT KEYNOTE

- The Economic Impact of Government Regulation | Elliot F. Eisenberg, PhD


TRACK 1 THE LAND DEVELOPMENT PROCESS

- Land Development Process | Katie Blumett, PhD, PE
- Outline Resources of Conducting Due Diligence | Bob Fisher, PE
- Critical Issues in Traffic Planning & Engineering | Casey Moore, PE & Francis Hanney
- More Efficient Product Management | Thomas Skibinski, PE

TRACK 2 STORMWATER MANAGEMENT

- Soil Mixes for Stormwater Management | Andrea Wellet, PhD, PE
- Stormwater Offset Policy & DEP's Expectations for Long-term Obligation | Jennifer Orr
- DEP's Evaluation Process for New BMPs | Dori Rosenquest, PE, PG
- Calculation of Evapotranspiration | Mark Bowen, PE

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