

## MINUTES

**Friday March 31, 2017 – 10:00am**  
**Group 2 (4706 – 48 Avenue, Red Deer)**  
**OR Conference Call 403-340-2200**

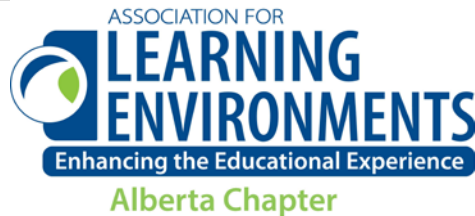
### ATTENDANCE:

Laurel Udell, Treasurer	Jason Ruhl, Member at Large
Ryan Bultena, Past President	Steve Bushnell, Member at Large
Jennifer Lavier Jankovic	Jason Ruhl, Member at Large
Jennifer Coffin, President	Alyssa Lefavre, Member at Large

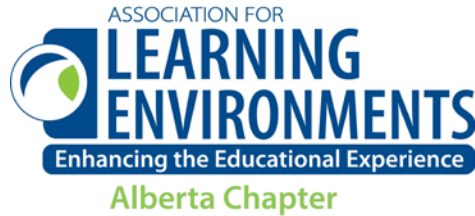
### REGRETS:

Cynthia Dovell	Ken Jaeger
Jonathan Steel, President Elect	Isaac Martinez
Bill Saul, Governor	Greg Leitch
Donna Robinson, International	Judith Wright, Secretary
Kevin Mullen, Member at Large	
Estella Tong	
John Wheatley, Canadian Director	

1. **Call to Order**  
10:04
2. **Approval of Agenda**  
Approved
3. **Approval of February 17, 2017 Minutes**  
Approved
4. **Business Arising from the Previous Minutes**  
See New Business
5. **New Business**
- 5.1 **2017 PNW**
  - Accommodations
    - Our base rate rooms are SOLD OUT!! Still some high priced suites left, but many late registrants are booking alternate accommodations.



- Awards
  - Chapter Architectural awards
  - Regional awards
    - Fellowship Award
    - Distinguished Service Award
    - Pinnacle Award
    - Lifetime Achievement Award
    - SchoolsNEXT Design Competition
  - Donna will accept the boards, and there will be two forms to submit, one for the Pinnacle Award, one for the chapter award. Only one set of boards will be required.
    - Regional Awards:***
      - Registration is now open for Regional Awards.
      - Pinnacle Award might need more time to prepare submission.
      - Deadline for submissions is April 10.
    - Chapter Awards:***
      - Ryan and Kevin to touch base and put together submission criteria for first week of April. Will give respondents 6 weeks to put together the submission.
      - Judging will be right before the conference.
      - Website will need to be updated.
- Committee
  - Regional President - Ryan
  - Governor - Bill
  - Conference Chair - Alyssa
  - Tradeshow – Alyssa & Jason
  - Registration – Laurel & Ken
  - Golf – Bill
  - Sponsorship – Steve
  - Registration Desk – Laurel & Judith
  - Speakers – Jennifer Lavier Jankovic & Isaac
  - Tours – John
  - Awards – Kevin
  - Yapp App / Printed Program - Ryan & Isaac
- Golf
  - There are 32 spots, cost is \$148 plus GST for 18 holes, Deposit \$1500 (has been made and cleared bank).
  - 23 are currently registered for golf.



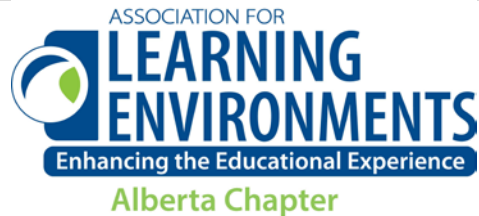
- Registration
  - Scott Lane and John Ramsey will attend from International, the Region covers their costs.
  - 149 registrants to date plus 4 from sponsorship
  - Large number of US registrants (16 from Hawaii)

	Member	Non-Member
Early Bird (register by Jan 31)	\$625	\$725
Regular (Feb 1 – Mar 31)	\$675	\$775
Late (Apr 1 – May 16)	\$725	\$825
Register @ Conference	\$825	\$925

- Sponsorship/Tradeshow
  - **\$56,750 in Sponsorship commitments!**
  - Diamond sponsors have a speaking spot for the general assembly; platinum sponsors have a breakout session.
  - Steve will follow up with MCW Hemisphere and Clark Builders to see about donation of notebook.
  - ThinkSpace has also indicated they will sponsor. Level TBD.

Diamond \$5000	Platinum \$3000	Gold \$1500	Silver \$1000	Bronze \$500	In Kind
BR2	ACI Architecture	DIRTT	Protostatix	FWBA	Hainline - lanyards
Workun Garrick	Chandos	Stephenson Engineering	Alberta Masonry Council		JenCol Construction
Group 2	Milliken	Stuart Olson	SMP Engineering		
	Stantec	Williams Engineering	NAC Architecture		
	Clark Builders	Remedy Engineering	Manasc Isaac Architecture		
	Eagle Builders	Tech Cost			

- Currently 23 Vendor Booths confirmed.
- Get a bio from each of the tradeshow companies and create a vendors brochure.
- Jen will check with the Stuart Olson marketing coordinator about putting the brochure together.
- In the current space we can have up to 30 vendors; if the response is greater we can look at additional space to accommodate a larger tradeshow.
- Booth cost is \$850 for members; \$1000 for non-members.

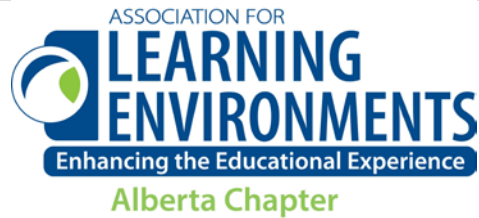


- School Tours
  - Tour three schools in Airdrie
  - A bus for the day \$1320 + GST, bus will hold 50
  - Post Meeting Note: Update from John
    - The schools are confirmed and I will be setting up a time to go over details with them next week. It is likely we can arrange lunch at the high school since they have a commercial cooking program. If not we still should be able to cater something there. The k8 could be the first stop, the high school the second and then we finish at the K-4 with intention to get back around 5.
    - Alyssa to confirm contract has been signed for the bus.
  
- Speakers
  - Two keynotes are confirmed:
    - Darby Young, Owner & Accessibility Strategist, Level Playing Field – Darby will stay for the conference, speaking on Friday May 19<sup>th</sup> (8:30 – 9:30am)
    - Darby will be receive complementary registration and one night hotel
    - Bill Ptacek – CEO Calgary Public Library – Bill will stay one evening in Banff, speaking on Thursday May 18<sup>th</sup> (9:30 – 10:30am)
    - Bill will receive complementary one evening meal and breakfast and one night hotel
  - Speaker selection has been completed. Program is included below.
  
- Theme is Resilience
  - Successful educational institutions have the ability to respond to change. Agile schools with flexible learning and work environments benefit students and educators and result in positive learning outcomes. In order to prepare students for future resiliency and the ability to stay relevant in today’s changing economy; facilities need to respond to unique learning styles and technology. It is vital that we build agile schools that can adjust to change and maximize resources. Let's collaborate and share best practices on how best to plan, build and maintain resilient facilities that are relevant now and into the future.

## 5.2 International Update

- The Strategic Planning Session will be hosted by the Southern Region at the end of March 2017 in New Orleans. Each region will put two names forward to participate.
- John’s term as Canadian Director is up this year. Donna will put a call out for a new Canadian Director to the International Board.
- Learning Scapes Conference taking place in Atlanta Oct. 25-30, 2017

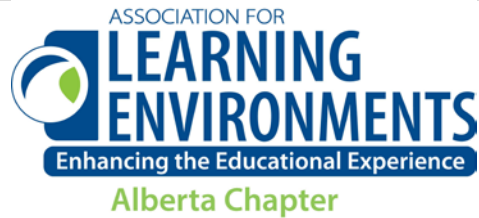
## 5.3 Regional Update



- 20 under 40 Program have been launched for emerging leaders.
  - Claudia Alaeddin is going from our Chapter.
  - Conference to be held April 19 – 21 in Portland. Fees have to be paid by themselves but Alberta Region will be considered to sponsor.
  - If anyone on the board under 40 is interested in attending as well, please contact Ryan.
- Ryan will be attending the BC Chapter Conference which occurs at the same time.
- Regional Scholarship (\$1,500 for travel, conference registration & hotel) had 4 applicants this year. Selection will be made shortly and delegate will attend Conference in May.

**Adjournment: 11:26 a.m.**

**Next Meeting: April 13, 2017 and May 5, 2017**



## PNW Program:

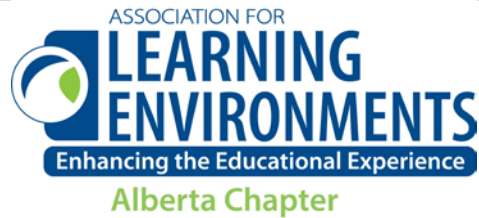
Tuesday, May 16, 2017		
1:00pm – 4:00pm	PNW Regional Board Meeting	
Wednesday, May 17, 2017		
8:00 am	Bus leaves for tours	
9:00am – 5:00pm	<b>School Tours (Calgary Area)</b> Airdrie School Tours	
1:00pm	<b>Golf Tournament – Banff Springs Golf Course</b> Shotgun Start	
1:00pm – 5:00pm	<b>Banff Tours</b>	
2:00pm – 6:00pm	Trade Show Setup	
5:00pm – 6:30pm	Conference Registration	
7:30pm – 10:30pm	<b>President's Reception &amp; Trade Show Opening</b>	
Thursday, May 18, 2017		
8:00am – 9:00am	Conference Registration and Breakfast	
9:00am – 10:30am	<b>Opening / Keynote Speaker</b> Bill Ptacek- CEO Calgary Public Library	
10:30am – 11:00am	Trade Show Refreshment Break	
11:00am – 12:00pm	<b>Breakout Sessions</b>  <b>Gaming the System</b> Garret Burtner / Evelyn Rousso  We all play games. Games are engaging, social, exciting, competitive, puzzling and... educational. Sometimes we play to avoid our work and responsibilities. However, the stickiness of game play is also frequently leveraged by educators to engage learners. Digital or analog, individual or multiplayer, almost any content or activity can be “gamified”. This session will give an overview of some of the more compelling game-based curriculums in use today. Using images and video clips of educators and learners in action, we will explore why gaming is trending in education and what the implications are for the design of learning environments. Attendees	

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will engage in a small group activity applying game thinking to the layout of a learning studio.

### **The Green School as a Teaching Tool for Symbiotic Learning**

Lindsey Kindrat

Since the advent of the green office, no other building type has been as transformed by the green building market as the school. From kindergarten to grade 12, green schools became the way of intelligent infrastructure, through collaboration among government, school boards, educators, students, and the building industry. But there exists a significant knowledge gap and with it, an enormous opportunity to take the embodied sustainability knowledge from behind the walls, to the classroom and beyond, through curriculum-integrated green building education. Students and Educators spend most of their time in schools without realizing the interconnected elements of energy, water, materials, land, air, waste, health and comfort all exist in their building. We will demonstrate how a green school presents a duality of learning lab and research project, while the site can be embraced as an ambient classroom. The session will provide an understanding of the sustainable built environment, by giving attendees quantitative curriculum guidance and lesson-based strategies for observing, analyzing, studying and monitoring a green building system at work. When designed with care, a green school will minimize impacts on the environment, while remaining resilient to climate change and lifecycle degradation. A discussion of integrated design and sustainable construction management processes will round out the conversation, providing school boards and facility managers with the fundamental tools and knowledge to get involved in design and modernization projects within their Divisions. This will empower them to drive sustainability by knowing how and when to articulate their needs and vision at the design table. Case studies throughout Alberta, will highlight unique green features and local challenges inherent to sustainable school projects.

### **Transitioning from a Single Cell Mindset to a Collaborative Mindset: Designing Sustainable Innovative Learning Environments**

Rosa Fazio / Mark Mathiasen

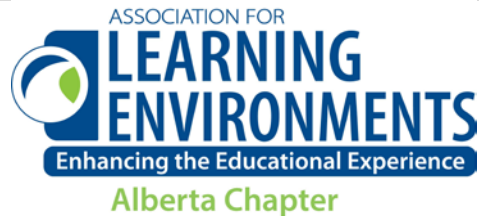
"If you want to go fast, go alone. If you want to go far, go together." Take a moment to imagine an ideal school. In reflecting upon the above statement, perhaps you imagine a space that inspires learning. A space that is comfortable, homey, and filled with natural light. A space bustling with conversation, collaboration and critical thinking challenges. A school where students are happy, engaged and their learning needs met. We know that our physical environment can impact our mood and our energy level. The learning environment as the "third teacher", implies that the care and attention to the learning environment can either enhance or hamper learning. An understanding of what makes a great learning environment is fundamental to school transformation and school design. The 7 Principles of

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	<p>Innovative Learning, research examining the nature of learning intended to guide the design of the learning environments (Dumont, Instance, &amp; Denavides, 2010) was the foundational document used to frame Norma Rose Point School's shared beliefs. The principles guide what schooling, teaching and learning should look like and is a knowledge base for the design of learning environments. Schools of any design can commit to these principles of learning. However, designing a learning environment that supports the principles pushes the learning agenda further. Norma Rose Point School has focused on a learning community model rather than a "bells and cells" layout consisting of classrooms and hallways.</p>	
12:00pm – 1:00pm	<b>Trade Show Lunch</b>	
1:00pm - 2:00 pm	<p><b>Driving Value into Educational Design Through Enhanced Collaboration</b> Craig Webber</p>	
2:00 pm – 3:00 pm	<p><b>Breakout Sessions</b></p> <p><b>IPD - The Red Deer Catholic Story</b> Ken Jaeger</p> <p>Told from an owner's perspective, this engaging narrative session will take an in-depth look at the application of IPD (Integrated Project Delivery) on St. Joseph High School and St. Gregory the Great Catholic School. As the first publicly funded IPD project in Alberta, these two projects were delivered under one contract with architects, contractors, consultants, trades and owner representatives contributing to the IPD team. Starting with a brief overview of IPD, this presentation will focus on Red Deer Catholic Regional Schools' experience with this highly collaborative delivery model and highlight the 'lessons learned' on the project. From design through to construction, participants will gain a thorough understanding of the challenges and opportunities inherent to the IPD process and the application of integrated design and construction techniques. Ultimately, an IPD model allowed the team to deliver this project at a reduced cost while improving quality, schedule, and educational outcomes for students.</p> <p><b>Commissioning School Projects - Lessons Learned</b> Peter Keithly</p> <p>Over the past 20 years, the formal quality assurance process called "Building Commissioning" has been integrated into the project approach and various requirements related to the construction of many public schools. For example, in 2001 Washington State actually instituted a requirement for the commissioning of all future school projects as part of a package that also mandated value engineering and constructability reviews. Now that numerous schools have been completed under these requirements, it is a good time to survey the various stake-holders and review their perspectives</p>	

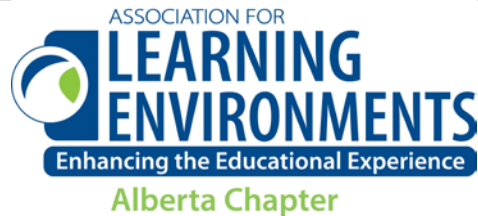
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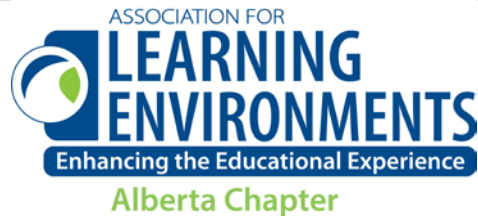
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	<p>on the effectiveness and value of conducting formal commissioning procedures. This presentation will be a report aimed at presenting the results of such a survey and also to suggest some possible changes to our approach to school project commissioning that might result in improving the process.</p> <p><b>Net Zero Energy Schools - What, Why and How</b> Rob Winstead / Cam Munro</p> <p>What role can schools play in Canada's transition to a low-carbon economy? How can schools prepare students for the careers of the future? How can schools take advantage of incentive programs and maximize the funding available for teaching and learning? The answer: Net-Zero Energy Schools! This session will challenge and engage attendees in a discussion of these and other important questions through a review of Net Zero Energy School projects and programs across North America. The presentation will move from the broad issues of climate change to the details of system selection. Along the way, the presenter will share lessons learned, useful tools and rules of thumb, and steps that can be taken – right now – to move toward Net-Zero Energy Schools in your district.</p>	
3:00pm – 3:30pm	Trade Show Refreshment Break	
3:30pm – 4:30pm	<p><b>Breakout Sessions</b></p> <p><b>Transformational Leadership</b> Mike Patrick</p> <p>This session focuses on the idea of transformational leadership wherein a leader identifies a need for change then creates a vision and executes the change with the commitment of his team. While it is an interesting style in theory, when seen in practice it is exceptionally impactful. Mike will show us through his own experiences and examples how this was done within his company. For those of you unfamiliar, Milliken is one of the largest textile companies in the world. Milliken started as a company in 1865 and grew to be one of the largest textile companies in the world. In the late 70's and early 80's, the textile industry was challenged like never before with outdated technology and outdated management leadership. Roger Milliken led the company thru the most dramatic change in their history. The ability to lead change allowed their company to not only survive but to thrive in a dying textile industry. Many public school district leaders have visited Milliken over the last several years to benchmark Milliken in the area of transformational leadership. Mike's session will focus on exactly how they changed when everyone else in the industry did not change - a valuable lesson for all of us in our organizations.</p> <p><b>The Invisible Science of Sound</b></p>	



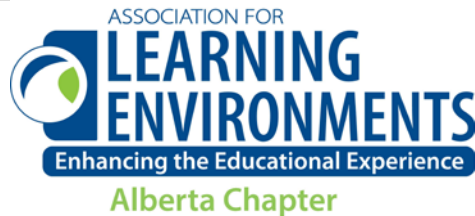
	James Teppan <b>IPD Basics for Owners</b> Jen Hancock		
4:30pm – 5:00 pm	<b>Alberta AGM and Government of Alberta Update</b>		
5:00pm	Trade Show Take Down		
6:30pm - 7:00 pm	<b>Awards Banquet Cocktails</b>		
7:00 pm	<b>Awards Banquet</b>		
<b>Friday, May 19, 2017</b>			
8:00am – 9:00am	Conference Registration and Breakfast		
8:00am – 9:30am	<b>Opening / Keynote Speaker-</b>  Darby Young- Accessibility Strategist; Level Playing Field		
9:30 am– 10:30 am	<b>Breakout Sessions</b>  <b>Designing Optimal Listening Environments for K - 12</b> Simon Fitzgeorge  <b>Collaborative Renewal: Using LEAN to Collaboratively Plan and Execute Projects</b> Paul Blaser / Mike Weishaar  LEAN is the Westernized Term for the Toyota Production System (TPS) also known as Kaizen. The tools have been used in Manufacturing, Healthcare, Service, and Government to Collaboratively Plan and execute flow to deliver Value to Customers. But it had been believed that the collaborative tools don't work as well for Projects like construction because the elements are not endlessly repetitive like in other systems. Nothing could be further from the truth. Project LEAN including LEAN for Construction demonstrated the profound effect of collaborative planning and execution possible using LEAN Kaizen methodology. The presentation will show how the fundamental tools of TPS Kaizen are adapted for Project delivery. It will show practical and real construction examples of the Principles of Collaboration, Genchi Gembutsu (Go and See With Intention) and Jidoka (Automatic trigger when something goes wrong). The presentation will show tools such as Last Planner Schedule, 6 Week Look-Ahead, Daily Huddles and Jidoka Site Walks combine to create flow in Projects and construction. Examples will be shown of 300% to 600% increases in productivity through the use of these systems. And at the Core, the presentation will show how true collaboration		

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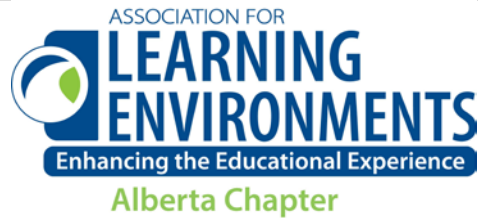
	<p>is key to the success at every level.</p> <p><b>Rallying the Community: The Story of Peerless and Trout Lake's First Nation Schools</b> Heather Bretz / Zoe Rezac</p> <p>Peerless Lake and Trout Lake First Nations have struggled to bring education to their community. From the residential schools of the early 1900's to operating government built schools since the 1980's, the community was educating their youth in an environment that did not support their unique values and way of life. Many years later, through tireless efforts, the community's vision began to come to life in 2011 with the signing of Peerless Trout First Nation's Claim Settlement. Utilizing their settlement funds, and working in partnership with Alberta Infrastructure, Northland School Division, and Stantec, they are now building their own schools. Heather Bretz and Zoë Rezac will take you on a journey through the process and tools of engaging the First Nations community to design a school that reflects and honors their cultural values and history. Using tools such as virtual reality and community design workshops, we will discuss how we established our working relationship, broke down communication barriers, built mutual trust and respect, learned from the students, and listened to understand how to bring the Peerless and Trout Lake's vision to reality.</p>		
10:30 - 11:00 am	Refreshment Break		
11:00 am – 12:00 pm	<p><b>Breakout Sessions</b></p> <p><b>Resiliency in Energy and Operations</b> Dan Munn / Amarpreet Sethi</p> <p>Seeking a path to a resilient and healthy future, Seattle Public Schools has identified an aggressive design and building operations goal of an Energy Use Index (EUI) of 20. Additionally, Seattle Public schools has targeted multiple facilities for solar rooftop installations to further reduce the reliance on traditional electric energy sources. Partnering with DLR Group on an elementary renovation and various solar projects, this session will investigate the design for reduced demand, optimized operations, and renewable technologies.</p> <p><b>A Flexible Hub for a Changing High School Curriculum</b> Brandon Kent</p> <p>The East Side Union High School District in San Jose, CA is taking cues from higher education, embarking on a bold vision to implant a vibrant student union in each of its high school campuses. Recognizing the evolving expectations and characteristics of Millennial and Gen Z learners and the pedagogical changes that place emphasis on collaborative work, the project seeks to further blur the lines between the social and academic lives of its</p>		

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	<p>students. Not only do these Student Centers provide a symbolic and physical hub for student life, but they are designed to be flexible and evolve over time to remain resilient to changes in technology and curriculum.</p> <p><b>Sustainable Building Practices</b> In the spirit of creating stronger bridges between high school and higher education, the programming and facility designs of the Student Centers help prepare students for an evolving collegiate environment and rapidly changing expectations in the workplace. As employers shift expectations towards more team oriented, soft skilled employees, these environments become increasingly important as students gain experience in co-working earlier and gain the necessary social skills to succeed later in life.</p> <p><b>Learning</b> The strategic incorporation of academic support staff into the Student Center enables support services to be better integrated into the students' social experience. This careful integration of services shifts students' perception from a place where students go when "they just can't manage things on their own", to a more inviting vibe consistent with a concierge at a hotel, or a helpful barista at the coffee shop; they become a part of the student culture, and stigmas associated with utilizing these services are virtually erased. These student-centered spaces foster student success and peer to peer interaction, and provide neutral ground for administration and faculty to engage with students. The Student Centers are intended to be social gathering places that offer spaces with a variety of scale, sound (loudness), and lighting to accommodate all manners of student learning styles and social engagement. They provide learning environments for students to work on group projects, co-study with friends or find a quiet place to study on their own, in addition to hosting social functions such as student government events, cultural events, and outside speakers.</p>	
12:00pm	<b>Closing/ Lunch on your own</b>	