

# OAAAS

Ontario Association for  
Applied Architectural Sciences

## TECHNOLOGY PROGRAM OF THE OAA

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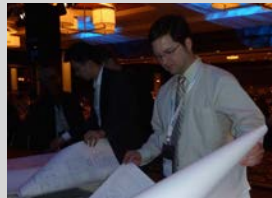
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### Message from the President



As springtime comes (for you lucky ones down south, sooner than for others), we see construction activities increase, deadlines approach, and new project opportunities arise. It's always an exciting and stressful time of year. But, as technologists, this doesn't really come as a surprise, does it?

We've been busy here at the OAAAS and OAA as well. In January, the executive director and I made our annual presentation to the OAA council with updates on what we've accomplished and what we plan for the upcoming year. We were well-received and council astutely noted that we have an ambitious plan this year. Included in our goals are examination renewal, continued marketing efforts, review of the admissions process, and a review of the OAA Council Policy.

From the marketing perspective, we've decided to put our focus into developing our LinkedIn presence. We are moving away from a group page and will be expanding content on our company page. Make sure you log-in and follow us!

We've had considerable discussion on the role of the OAAAS in transitioning technologists to the OAA-licensure level. Arising out of this is a plan to revamp our entire admission process through the launch of our new internship program. This program, while based on our current process, has been modified and updated to be more consistent with the OAA Internship in Architecture program. Highlights of the new program include changes to continuing education requirements, submission of experience hours, and the requirements for supervision and mentorship. I'm very pleased with the new direction and look forward to presenting the detailed changes.

We've also initiated a review of the current OAA Council Policy on Licensed Technologists. We will be reviewing all aspects of the policy and will be making recommendations to the OAA council. One such recommendation that has already been put forth is allowing Licensed Technologist OAA members the opportunity to vote for OAA council and at the AGM and other general meetings.

OAA council was correct. We definitely have an ambitious plan for this year, but I'm looking forward to it. I'm also looking forward to meeting with those of you planning to attend the upcoming OAA conference.

***Jeremiah Gammond, Lic. Tech. OAA, President OAAAS,  
Gammond Architectural Technology***

### Message from the Executive Director

The OAA Annual Conference takes place this year in Hamilton from May 7-9. As OAAAS has grown as the Technology Program of the OAA, so too has our presence at the Conference. In the official 2015 Program Guide you will see the following OAAAS-specific events:

May 8 – OAA Admission Course special session for the future Licensed Technologists OAA

The 25+ OAAAS attendees will hear from President Jeremiah Gammond, and the registrars of the OAA and OAAAS. At the session, they will review the specific rules that apply to them under the OAA policy. It's also a chance for them to discuss common issues.

May 8-9 – OAAAS Sponsored Professional Development Seminar

As reported below, the OAAAS is sponsoring one of the educational sessions at the Conference. Please note that ALL members of the OAAAS may register for this session, whether or not they are attending the full Conference.

May 9 – Networking Lunch and OAAAS Student Awards

The third annual student awards will be presented to the province's leading architectural technology students. For 15 minutes, OAAAS has the undivided attention of hundreds of the province's architects.

May 9 – OAAAS Board of Directors and Founder's Meetings

This is the Annual Meeting of the OAAAS Board of Directors, where it approves the financial reports and selects the Board for the following year. As the AGM, it can also consider more significant changes. All the decisions made at the AGM will be considered at the meeting of the OAAAS Founder (which is the OAA), held in conjunction with the session.

The OAA Conference is an important chance for OAAAS to raise awareness among architects about our program. It's easier to recruit new members when the architect who employs them understands our program and what it can do for the technologists. Better still if we can convince the architect that the program is in the collective interests of the profession.

For this purpose, OAAAS will have a table of information in a prominent place throughout the Conference. If you are planning to attend, please drop by and say hello.

*Garry Neil*  
Executive Director | Registrar

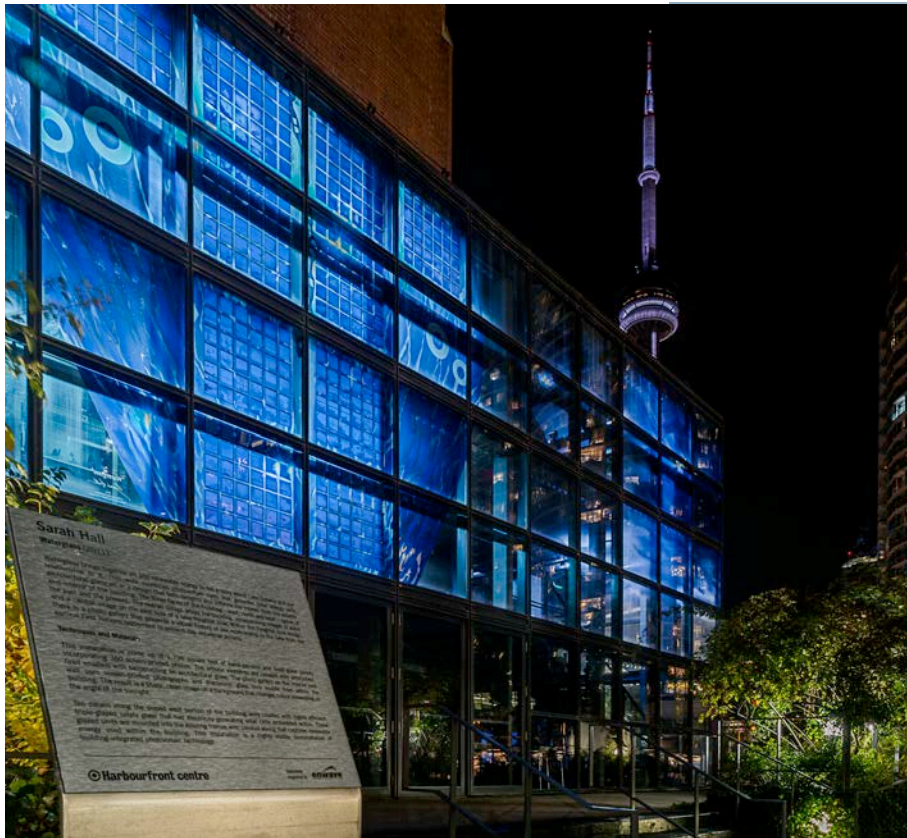
### New Licensed Technologist OAA Members

We would like to congratulate the following members who most recently received their Licensed Technologist OAA licence:

Geoffrey Holt  
Stephen Houston

Richard Mateljan  
Katherine Sendrowicz

Bradley Vokey



## Building Integrated Photovoltaics (BIPV)



### *Enwave Theatre*

Harbourfront Centre, Toronto ON  
Photo Credit: Matthew Lavoie

**Building Integrated Photovoltaics (BIPV)** is one of the most promising and elegant ways of producing on site electricity directly from the sun — silently, without environmental harm or pollution and without depletion of resources.

Solar energy collection is integrated into the building envelope as part of the design of the building. The PV modules serve a dual purpose — replacing conventional building envelope materials and generating power. While BIPV technology is incorporated into many new buildings in Europe, it is still an emerging practice in Canada.

Once upon a time, the only available option for photovoltaic installations was the familiar rooftop panels mounted on metal frames; and indeed, many people still think of solar panels as rigid modules — added to the building but often at odds with the architecture.

In the 1990s BIPV products become commercially available that were especially designed to be part of the building envelope — and recent technological advances have made it much easier to create architectural designs that thoroughly integrate solar energy collection into the design of the building.

The initial cost of BIPV is offset by reducing the amount spent on conventional building materials and labour that would normally be used to construct that part of the building. Once the building is in operation, there are additional savings as the sunlight generates electrical energy. These advantages make BIPV one of the fastest growing segments of the photovoltaic industry.

There are many parts of the building that can be easily substituted with photovoltaics: spandrel glass, skylights, roofs, windows and facades. In these applications, BIPV is part of the structure and look of a building, not an add-on.

Curved surfaces and windows are possible with varying degrees of transparency. These new developments allow revolutionary changes to the design of a building. BIPV systems can be designed to blend with and complement traditional building materials or they can be used to create an elegant, hi-tech appearance. A beautiful and highly visible “green” building is very appealing to many clients.

Continued of page 4...

...BIPV Article continued from page 3.

Semi-transparent modules are now available that can replace architectural elements commonly made with glass or similar materials, such as windows and skylights. Solar cells can also be incorporated into the facade of a building, as a complement to, or even a replacement for traditional view or spandrel glass.

Although a vertical installation of photovoltaic materials (as opposed to roof mounted systems) means less solar efficiency, this is compensated for by the large surface areas available to collect energy.

Using PV for skylight systems can be both an economical use of PV and an exciting design feature. Photovoltaics can also be incorporated into awnings, or into geometric designs on a building facade. These increase access to direct sunlight while providing additional architectural benefits such as passive shading and can eliminate the need for air conditioning.

With the new technologies available, retrofit facades can be installed on existing buildings, giving them a

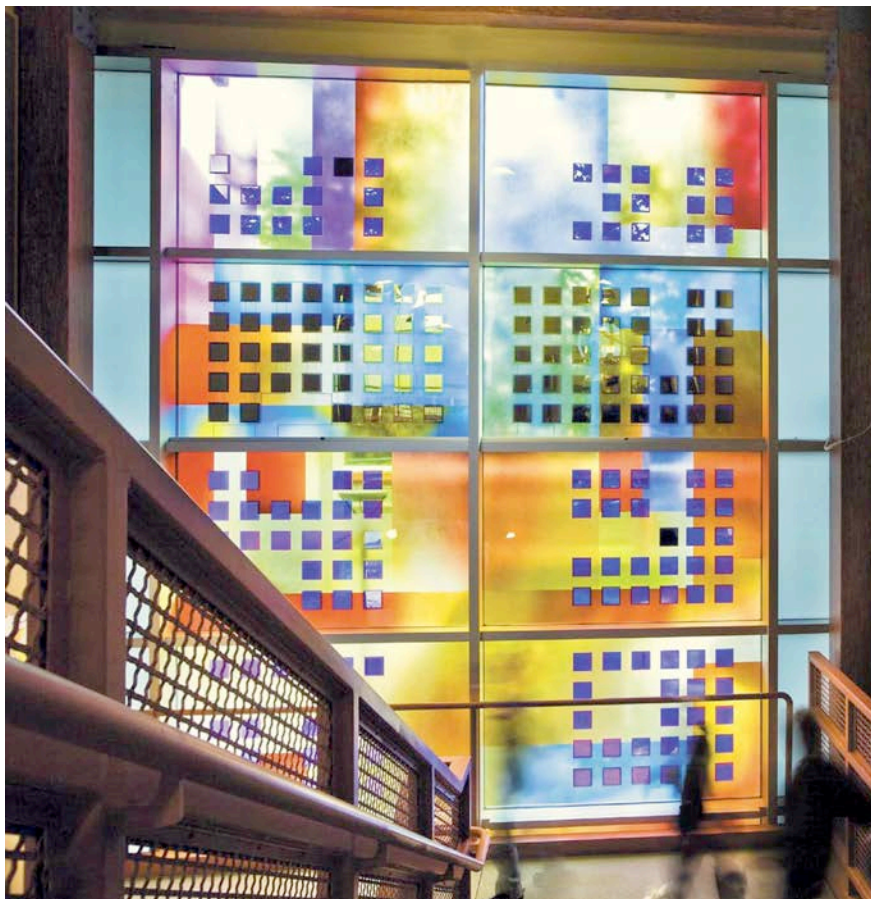
whole new look. These modules, mounted on the facade of the building over the existing structure, can increase the appeal of the building and its resale value. This type of retrofit is sometimes referred to as building-applied photovoltaics (BAPV).

The photovoltaic system can be used as a stand-alone power unit or used to regulate the intake of daylight to a building by powering an automatic sun-blind, operate an engine driven ventilation system, act as emergency lighting or be grid-tied.

As a designer working in architectural glass with projects that were always integrated into buildings the leap into solar was a learning curve, but it was also a natural extension of custom glasswork. Now with many BIPV projects completed, the possibilities are more exciting than ever to create a partnership with the sun.

*Sarah Hall, RCA, is an internationally recognized glass designer based in Toronto.*

See [www.SarahHallStudio.com/media](http://www.SarahHallStudio.com/media) for further BIPV project and information.



## CONED OPPORTUNITY

If you would like to learn more about Building Integrated Photovoltaics (BIPV) technology and Sarah Hall's work, join us at the upcoming ConEd session, entitled, *BIPV - Architecture in Partnership with the Sun*, being held on May 7 at the 2015 OAA Annual Conference, Hamilton ON.

For complete details see page 5.

*Grass Valley Elementary School*  
Camas, WA  
Photo Credit: Rolf Schulten

# BIPV - Architecture in Partnership with the Sun

Date: Thursday, May 7, 2015

Times: This session is offered in the morning and afternoon

10:30am - 12:00pm, Session 19CE 4:00pm - 5:30pm, Session 31CE

1.5 ConEd Learning Hours

Where: 2015 OAA Annual Conference @ Sheridan Hamilton Hotel & Hamilton Convention Centre

OAA Member - \$90.00 OAAAS Member - \$108.00 (Individual Ticket)

Sponsored by:



Registration link: <http://conferenceregistration.oaa.on.ca>

Registration dates: March 24, 11:00am - April 27, 9:00am



Speaker: Sarah Hall is an internationally recognized artist creating large-scale art glass installations and solar projects.

With a career spanning 30 years, Sarah Hall is a proven innovator in architectural glass. For 10 years, she has worked to integrate solar technology into her architectural projects.

Most recently, she has focused on one of the world's largest killers of birds: high-rise glass architecture. Her latest research is to develop a bird-friendly prototype that incorporates recent advances in organic solar technology.

Her exceptional contribution to the built environment has garnered 'Honor Awards' from the AIA, the 'Allied Arts Award' from the OAA and was inducted into the Royal Canadian Academy of Art in 2002.

[www.sarahhallstudio.com](http://www.sarahhallstudio.com)

Photo Credit: Wilhelm Peters



## Member Article

Jean Audette has been a Licensed Technologist OAA since 2008. Jean graduated with honours from the Architectural Technology program at Algonquin College of Applied Arts and Technology and has been working continuously in the field of architecture for 20 years. **We recently had the opportunity to ask Jean a few key questions regarding his career trajectory.**



### **As an architectural technology student, what were your career goals? And what steps did you take to achieve them?**

Early in my college career it was my goal to one day own and operate an architectural technology firm. I was quick to realize that valuable experience would be the key to success.

In 1995, I began my career working for a small architectural practice where I had the opportunity to work countless hours on a wide variety of projects. The experience and confidence gained during this employment was the motivation needed for the next phase of my career.

In 1998, I opened Fontaine and Audette with my long-time friend and business partner Trudi Fontaine, Technologist OAAAS. We successfully practiced architectural technology as Fontaine and Audette for nine years before deciding it was time to close that chapter in order to advance our professional status and pursue licensure with the OAA.

In 2007, I joined the experienced team at Mitchell Architects as a project manager. Mitchell Architect is a medium sized firm with offices in North Bay and Huntsville focusing on long term

care, children's health facilities, commercial & industrial developments and residential projects. Mitchell Architects was instrumental in providing the experience, knowledge and encouragement required to complete the Licensed Technologist OAA Program.

### **What are your reflections on the OAAAS certification process?**

At first glance the Licensed Technologist OAA Program may seem daunting, but it is worth all the effort that it requires. The program demands dedication and hard work for which you are rewarded with a professional designation and endless career opportunities. The OAAAS and OAA have proven to be great organizations that endeavour to elevate the stature of architectural technology. I encourage all members to strive for licensure and create a legacy for future architectural technologists.

### **How do you view the responsibility of Continuing Education?**

As with all professional disciplines, continuing education is a fundamental requirement. Architectural technology is an evolving professional discipline requiring continuing education and the ability to adapt and transform your skills accordingly.

### **What advice would you give to members who are currently establishing their careers?**

If I could impart a bit of advise to OAAAS members, it would be to get involved in the profession and help shape its future. In 2008, I became a national and provincial representative on the Canadian Technology Accreditation Board, which allowed me the opportunity to examine and shape architectural technician and technology programs throughout Ontario to ensure that students are receiving the best education possible. My work with CTAB has been very rewarding. I also currently serve as an OAAAS committee member and have recently been appointed to the OAAAS Board of Directors.

### **Any last thoughts?**

I would like thank the OAAAS for inviting me to participate in the member profile series. I hope it will serve to motivate new OAAAS members and members currently in the process of licensure to persevere and to achieve their goal.

*Jean Audette  
Lic. Tech. OAA, A.Sc.T  
Project Manager  
Mitchell Architects Inc.*

## 2015 CALENDAR HIGHLIGHTS

**JANUARY 1, 2015**  
New membership  
invoicing system being  
implemented

**On January 1, 2015**, OAAAS adopted the OAA model of invoicing members for the calendar year, rather than using the member's anniversary date. Harmonizing our invoicing with the OAA system reduces the challenge for members moving to OAA licensure.

- Members who joined in **February through August**, will receive a dues invoice pro-rated for the number of months remaining in 2015.
- Members who joined in **September through October**, will receive a pro-rated invoice for the remainder of 2015 and will also have the option of paying their dues for the 2016 calendar year.
- Members who joined in **November through December**, will receive an invoice for the one or two months remaining in 2015 as well as for the 2016 calendar year.

**Do you want to pay your invoice on-line?** Members now have the option of paying their annual member dues and other fees, via PayPal. To request a PayPal invoice contact our office: [RommyR@oaaas.ca](mailto:RommyR@oaaas.ca).

**MAY 6 - 8**  
2015 OAA Annual  
Conference and 2015  
OAA Admission Course  
in Hamilton, ON

The 2015 OAA Annual Conference, ***Urban Renewal***, will be held in Hamilton ON, at the Sheraton Hamilton Hotel & Convention Centre. Information link: [OAA Annual Conference](#).

The 2015 OAA Admission Course is also held during the OAA Conference.

**MAY 7**  
OAAAS Sponsors  
Exciting ConEd  
Session

OAAAS will be sponsoring an exciting ConEd Session during the 2015 Conference, entitled, ***BIPV – Architecture In Partnership with the Sun***. The session will be presented by internationally recognized artist, Sarah Hall who is well known for her artistic innovations and pioneering of new glass techniques. For more details see page 5.

**MAY 8**  
2015 OAAAS Student  
Awards Ceremony

OAAAS will be announcing the award winning students of the 2015 *OAAAS Students Awards for Excellence in Architectural Technology* on Friday, May 8, during the Networking Luncheon of the OAA Conference.

**JUNE 19**  
Next Examination date

The next examination date is Friday, June 19. You must have attended the OAA Admission Course in order to be eligible to write the exam. To register, contact [RommyR@oaaas.ca](mailto:RommyR@oaaas.ca). The fall exam date is Friday, November 20.

**DECEMBER 1**

In December 2015, all members will receive their membership dues invoice for the 2016 calendar year. Thereafter, all members will be invoiced every December for the following calendar year.

## Submission of your Work Experience Hours

Remember that you should submit your work experience hours approximately every 1000 hours. This rule does not apply for retroactive submissions.

If you are new to this responsibility, do not worry, it is not as daunting as it may seem. Submitting your work experience hours involves keeping track and recording your newly accumulated work experience hours in the [Experience Record Book](#) (ERB). Record Books are periodically mailed in to the OAAAS Office every 1000 hours for validation and calculation. This rule does not apply to retroactive submissions. Once your hours have been calculated you will receive a Summary Report that highlights the specific hours that are still required to move to the next certification level. For further instruction and necessary documents visit: <http://www.oaa.on.ca/the+oaa/allied+organizations/oaaas>. See **Experience** Tab.

**New Associate OAAAS members** should take advantage of the limited time opportunity to submit retroactive work experience hours accumulated prior to joining OAAAS, as this can potentially give you a head start in reaching the Technologist OAAAS certification. This must be done within three months from the date you become an OAAAS member.

**If your goal is to attend the 2016 OAA Admission Course in Toronto**, and you are currently an Associate OAAAS member, note that to be eligible to attend, your membership should be reclassified to Technologist OAAAS by **November 1, 2015**. Members must hold the Technologist OAAAS designation for a minimum of 6 months prior to attending the course. Contact our office to discuss your membership reclassification strategy.

We recommend that you review the following documents for further instruction and necessary template in the [OAAAS Program Guide](#):

- Experience Requirement Chart (Page 10)
- Instructions for Completion of the Experience Record Book (4.3, page 12)
- Experience Area Description and Required Activities (Appendix B) which provides definitions of every category.

## 2014 - 2016 Continuing Education Cycle - July 1, 2014 - June 30, 2016

Members registered as Technologists OAAAS or Lic.Tech.OAA are reminded that they are required to complete specific continuing education activities for every two year Continuing Education Cycle. It is the responsibility of the member to record their activity hours on their ConEd Transcript. To access your transcript all you need is your Username and Password that were issued to you when you first became a member. To access your transcript visit: [Transcripts](#).

Your specific continuing education activity hours are divided between Structured and Unstructured Learning. Review the following links to see what each type or learning activities count. [Structured](#) [Unstructured Learning](#)

Technologist OAAAS members must complete **15 hours of learning** (minimum of five hours of Structured learning and 10 hours of Unstructured learning)

Licensed Technologist OAA members must complete **35 hours of learning** (minimum of 12 hours of Structured learning and 23 hours of Unstructured Learning)

We recommend that you review the following links for further information on the ConEd program: [Program Requirements](#), [Learning Activities Eligibility Criteria](#). Visit [LEARNING OPPORTUNITIES](#) to see ongoing and upcoming Distance Education Modules, Education Sessions and Lunch and Learns.





Ontario Association for  
Applied Architectural Sciences

# TECHNOLOGY PROGRAM OF THE OAA

The Ontario Association for Applied Architectural Sciences is an association for technologists working in the architectural field. Through OAAAS, a qualified professional can become a Licensed Technologist OAA and member of the Ontario Association of Architects.

## Our Mission

The OAAAS establishes the education, experience and examination requirements for three categories of building designers: Associate OAAAS, Technologist OAAAS and Licensed Technologist OAA. The OAA Council has established the scope of practice and the terms of the limited licence.

## 2014 - 15 Board of Directors

Jeremiah Gammond, President  
 Brian Luey, Treasurer  
 Jean Audette, Board Member  
 Richard Mateljan, Board Member  
 David Mills, Board Member  
 Chris Oke, Board Member  
 Shervin Reyhani, OACETT Representative  
 Anthony Sproul, OAA Representative  
 Garry Neil, Secretary

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