

# the edmonton Specifier

Construction Specifications Canada is an organization representing diverse interests in the construction industry and related professions. It is dedicated to improving the quality and flow of information between these interests, whether in the form of specifications, contract administration or marketing.

November 2022 Edition

Editor: Tracey Stawnichy

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## Thursday, November 10, 2022 Alberta Aviation Museum Tour & Social

5:00pm – 8:00pm

Alberta Aviation Museum

11410 Kingsway NW, Edmonton, AB T5G 0X4

Come and learn about that status of the building currently occupied by the Alberta Aviation Museum in Edmonton.

Presented by Ian Morgan, there will be a discussion on the Building Condition Assessment (2017) and the Building Conservation Plan (2017) prepared for the Aviation Museum by NEXT Architecture. A representative from the museum will discuss the newest Hangar 14 Investment Study conducted by the City of Edmonton earlier this year and provide some history of the building and its artifacts.

Please join us for a tour of the building as well as the aircraft and other aviation artifacts contained within it and stay for the catered social.



Ian practiced architecture in London and Cardiff UK before relocating to Alberta in 2002. During his career he has been engaged on a number of award-winning adaptive re-use projects that have transformed vacant or underperforming buildings into vibrant new assets. He is an experienced conservation architect and applies sound practical judgement to retain heritage value when dealing with the complex code and environmental challenges that arise when clients consider repurposing existing buildings.

He advocates for increasing urban density as a method for dealing with population growth in cities and sees adaptive reuse as a means to meet our environmental challenges to reduce construction waste and create a more sustainable future. He sees significant changes on the horizon for cities as we collectively deal with the end of big oil and the move to diversify to more renewable sources of energy.

Ian uses technology throughout his practice to improve team performance and create data led decisions that provide budget certainty and schedule predictability. In response to the McKinsey report into construction he sees a clear need to improve efficiency within our processes and infuse construction with technology and innovation.

**2022 / 2023 Edmonton Chapter Executive**

<b>Director</b>	Tracey Stawnichy	780 994 3699
<b>Chairman</b>	Andrew Brassington	587 341 5268
<b>Vice-Chairman</b>	Dylan Leclair	587 335 9552
<b>Secretary</b>	Jessica Prosser	587 340 7169
<b>Treasurer</b>	Catherine Osborne	780 705 7108
<b>Architect</b>	Kevin Osborne	780 717 1007
<b>Chapter Liaison</b>	Position Open	
<b>Education</b>	Mike Ewaskiw	780 237 7844
<b>Engineer</b>	Jamie Murphy	780 983 0288
<b>General Contractor</b>	Renee McKenzie	780 717 7798
<b>Interior Design</b>	Corry Bent	780 995 1647
<b>Manufacturer/Supplier</b>	Mike Lafontaine	780 907 4920
<b>Marketing, Promotion, and Communications</b>	Jamie Murphy	780 983 0288
<b>Membership</b>	Dave Lawrence	780 901 7260
<b>Newsletter</b>	Tracey Stawnichy	780 994 3699
<b>Specifications</b>	David Watson	780 758 4147
<b>Website Administrator</b>	David Watson	780 758 4147
<b>Trade Contractor</b>	Kevin Kramers	587 232 0613
<b>Program</b>	Jessica Prosser	587 340 7169
<b>Owner's Rep</b>	Cam Munro	780 231 1739
<b>Sustainability</b>	Position Open	
<b>At Large</b>	Dave Lawrence	780 901 7260

**Advertising Rates****Business Card: April 1 to May 30**

Rates cover your ad on our website 24 hours per day, 7 days per week.

Business card on-line:

Annual \$100 if received by May 1;

\$75 if received by August 1;

\$50 if received by November 1;

\$25 if received by February 1

Add \$50 to have a link to your company web site from the CSC Edmonton Chapter web page.

**Chapter Sponsor****New Chapter Sponsor Bundles:**

[edmonton.csc-dcc.ca/About+Us/Sponsor+Opportunities+-+CSC+Edmonton+Chapter/](http://edmonton.csc-dcc.ca/About+Us/Sponsor+Opportunities+-+CSC+Edmonton+Chapter/)

**Student Sponsor****Meeting Sponsor**

\$50 for Individual (personal) Sponsor  
\$250 for Corporate Sponsor

**FOR FURTHER INFORMATION**

Contact any member of the Executive, attend one of our Chapter Meetings, send your name and address to CSC Edmonton Chapter, PO Box 35093 Mid Town PO. Edmonton, AB T5J 0B7, or go to [edmonton.csc-dcc.ca](http://edmonton.csc-dcc.ca) for additional contact information.

**GOALS OF CSC**

Construction Specifications Canada is a multi-disciplinary non-profit association dedicated to the improvement of communication, contract documentation, and technical information in the Construction Industry. CSC is a national Association with Chapters in most major Canadian Cities.

To this end, CSC pursues the study of systems and procedures that will improve the coordination and dissemination of information relevant to the construction process.

We seek to enhance the quality of the design and management aspects of the construction activity through programs of publication, education, and professional development, believing that by so doing, we can contribute best to the efficiency and effectiveness of the construction industry as a whole.

**OBJECTIVES OF CSC**

To foster the interest of those who are engaged in or who are affected by the compilation or use any forms of specifications for the construction industry.

To publish literature pertaining to the construction industry.

To engage in activities to improve procedures and techniques related to the construction industry.

**The opinions and comments expressed by the authors do not necessarily reflect the official views of Construction Specifications Canada. Also, appearance of advertisements and new product or service information does not constitute an endorsement of those featured products or services.**

## Announcements:

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## Chair's Message

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**Andrew Brassington, CSC Edmonton | Chapter Chair**

Hello, Chapter Members,

Our November event is fast approaching! If you didn't get tickets, that's ok. We will have more opportunities to connect in the new year.

Check out the new section in the Specifier called "Meet your CSC Executive Committee Member". Last month we learned more about our Trade Contractor Officer, Kevin Kramers. This month we are featuring our Education Officer Mike Ewaskiw!

As our industry continues to grow, it is important that we grow with it. Want to help shape the direction of the Association? We have spots open on our Executive Committee so please reach out.

Cheers!

## Membership in CSC

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**Dave Lawrence**



In the construction industry's fast-paced environment, the need for and value of Construction Specifications Canada is greater than ever. CSC brings together individuals from all segments of the construction industry. All who have a vested interest in Canada's largest industry are invited to join CSC. When you join CSC, you become part of the only association that brings together professionals from all aspects of the construction industry.

### DESIGN TEAM

CSC offers members of the Design Team the opportunity to meet with other members and exchange information. It also affords you the chance to help improve technology and its management, and the means to improve ways in which your ideals are translated into clear, concise, and complete documentation.

### BUILDING TEAM

If you are a member of the Building Team, CSC offers you the opportunity to become involved in formulating specifications. Your valuable input into the programs can help generate time and cost savings, as well as improve performance.

### SUPPLY TEAM

The multi-disciplinary composition of CSC allows members of the Supply Team to meet with other members of the construction team. CSC programs in data filing and information retrieval are geared to present convenient and concise information on your products for proper evaluation and specification.

## THE STUDENT

If you are a student of architecture, engineering, or construction technology, CSC will provide you with a greater exposure to, and a better understanding of, the construction industry, giving you an excellent opportunity if you plan a career in the construction field.

## People and Places – Welcome to new and past CSC Edmonton Chapter Members!

### Fresh Faces (New Members)

None this month.

### Yes, We've Moved (Contact / Mailing Address Update)

None this month.

### Previous Members Re-Joining / Re-Activated

None this month.

## CSC Education:

Mike Ewaskiw, CTR



### Principles of Construction Documentation

The PCD course is an introductory course that will enable the student to have a better understanding of construction documentation (specifications, drawings, and schedules), products, bidding procedures, and contracts. **It is also a prerequisite to all the other CSC education courses.**

### Specifier 1

Specifier 1 is an intermediate level course that will take the individual beyond the concepts previously introduced in the PCD Course. Although some of the same topics are included, the depth of comprehension and explanation exceed that of the PCD course. The Specifier 1 is a prerequisite for the [Certified Specification Practitioner \(CSP\)](#) designation from CSC. Successful completion of the course may be credited toward the experience component requirements for the Registered Specification Writer (RSW) designation.

### Technical Representative

The TR course provides a better understanding of contract documents and bidding procedures, product representation, professionalism, and ethics, and will provide a new depth of understanding and explanation of concepts beyond what was previously introduced in the PCD course. The course is designed for the individual involved in the supply section of the construction industry, such as manufacturer representatives, agents, or distributors of products. The student will have successfully completed the PCD course.

Contact Mike for all your education needs.

Mike Ewaskiw, CTR, Manager  
Architectural & Engineering Services  
P: 780-237-7844 E: [mewaskiw@stonhard.com](mailto:mewaskiw@stonhard.com)

## EDUCATION COURSES

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### Upcoming Classes:

[Principals of Construction Documentation \(PCD\)](#) – September 12, 2022 – November 7, 2022  
Specifier – TBD

[Construction Contract Administration \(CCA\)](#) – TBD

[Technical Representative \(TR\)](#) – TBD

### Upcoming Classes Online:

[Principles of Construction Documentation \(PCD\)](#) – September 12, 2022 (14 weeks)

[Construction Contract Administrator \(CCA\)](#) – TBD

Specifier – TBD

[Technical Representative \(TR\)](#) – TBD

### Upcoming Virtual Classes:

[Principles of Construction Documentation \(PCD\)](#) – September 23, 2022 (5 weeks)

[Construction Contract Administration \(CCA\)](#) – November 18, 2022 (5 weeks)

[Specifier \(SP\)](#) – November 4, 2022 (7 weeks)

[Technical Representative \(TR\)](#) – November 18 (5 weeks)

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### Social Media:

Check us out:



## MEET YOUR CSC EXECUTIVE COMMITTEE MEMBERS

**Mike Ewaskiw, CTR**

**Officer – Education**

**Stonhard – Architectural & Engineering Services Manager**



What motivated you to join CSC?

To support the local chapter to increase the Educational Component, build stronger relationships.

What's the one thing people would be surprised to learn about you?

I have a passion for baseball. I have coached in our local Sherwood Park Minor Baseball Association since 2003, retiring in 2019 once Covid hit. Loved to take kids from early years and coach them over the next few years to see how they have developed. Family events and year end parties were the best.

How long have you been with CSC?

I have been involved with the CSC Edmonton Chapter since 2000. Took over the Education responsibilities in 2010.

What's the most interesting project you have been a part of?

Every project is `the most interesting`. Scope doesn't define the project, but working with the architects and engineers to develop the right solutions (one or many) based upon performance requirements is key.

What is one thing you like to see in the next 20 years?

In the next 20 years? Hopefully retirement...all kidding aside, the realization that among the many sections in the project manual, each section deserves specific attention to ensure the correct materials are selected and specified to eliminate the requirement for RFIs, along with all Manufacturer Representatives be CTR-certified. This is a very complex and detailed industry. With so many products and options out there, ensuring the correct materials are selected is key. Architects and engineers have to learn to rely on Manufacturer's representatives to provide materials to live up to the Owner's expectations. Not everything you find on the internet is true.



## Articles of Interest

### No G20 Country is Retrofitting its Buildings Fast Enough to Meet Climate Targets: Study

Sourced from: <https://www.globalconstructionreview.com> / Rod Sweet

None of the world's richest countries are retrofitting their building stocks anywhere near fast enough to meet carbon reduction targets they signed up to under the Paris Agreement in December 2015, a new study has found.

Germany scores highest with an insufficient 61.5%. The UK scores just under 53%. The US, Canada and Japan come in below 30%, and China gets just 21.5%.

Countries need to score above 80% to be considered as sufficiently bringing buildings' emissions down, says the report.

G20 countries represent more than 80% of global GDP, it notes.

Around the world, fewer than 1% of existing buildings a year are getting the energy-efficiency renovations they'll need.

That figure must leap to 2.5% a year by 2030 if countries are to hit their net zero by 2050 commitments, according to the International Energy Agency (IEA).

To get on track, buildings' energy usage must drop five times quicker over the next decade than it did between 2015 and 2020, says sustainability consultancy 3Keel, who carried out the analysis for insulation manufacturer Kingspan.

That entails achieving a 50% cut in direct emissions and 60% cut in indirect emissions by 2030, it adds.

Countries need to score above 80% to be considered as sufficiently bringing buildings' emissions down.

Rank	Country	Existing stock (/25)	Retrofit performance (/25)	Retrofit policy (/50)	Total score (/100)
1	Germany	6.0	18.8	36.8	61.5
2	Netherlands*	8.0	20.0	28.3	56.3
3	France	9.0	16.3	30.3	55.5
4	UK	8.0	16.3	28.5	52.8
5	Croatia*	6.0	20.0	26.0	52.0
6	Italy	8.0	12.5	31.3	51.8
7	Australia	11.5	7.5	13.5	32.5
8	Mexico	8.5	8.8	5.0	32.3
=9	Brazil	14.0	11.3	3.8	29.0
=9	Canada	6.0	5.0	18.0	29.0
=9	Republic of Korea	7.0	5.0	17.0	29.0
=12	Japan	8.0	7.5	13.3	28.8
=12	United States	7.0	7.5	14.3	28.8
14	Turkey	9.0	0.0	17.0	26.0
15	Saudi Arabia	6.5	12.5	4.0	23.0
16	China	9.0	0.0	12.5	21.5
	South Africa	Insufficient data			
	Argentina	Insufficient data			
	Indonesia	Insufficient data			
	India	Insufficient data			
	Russia	Insufficient data			

\*Croatia and the Netherlands are not G20 countries, but have been included as case studies representing EU performance (It was not possible to assess the EU, a G20 member, as a whole)

To derive each country's score, 3Keel analysed published data on the energy performance of the existing building stocks of most G20 countries, the change in their buildings' energy intensity and emissions through retrofits in the last decade, and governments' stated policies to push retrofits in the future. Existing stock counted for 25% of countries' score, retrofit performance 25%, and retrofit policy 50%.

Globally, buildings are responsible for 37% of energy-related carbon emissions, 3Keel said. Of that, 27% is from heating, cooling and electricity, and 10% from embodied emissions from construction and maintenance.

"Our findings clearly show that we urgently need to significantly increase

the retrofit rate globally and ambitious government action will be vital to support the building and construction sector,” said the report author, 3Keel’s Michael Lord.

The IEA has calculated that deep energy retrofits of buildings can cut energy demand through heating by two-thirds or more. Retrofitting 20% of buildings in advanced economies over the next five years would reduce CO2 emissions from heating by around one-fifth, it adds.

“We have the tools, solutions and technologies needed to improve energy performance in buildings. We now need to apply these at scale,” said Bianca Wong, Kingspan’s head of sustainability.

## **Largest Indigenous-Led Economic Project in Canadian History Underway in Vancouver**

Sourced from: <https://canada.constructconnect.com> / Grant Cameron

Prep work has begun for a massive project that will eventually see more than 6,000 homes and rental units built on traditional First Nations lands at the head of False Creek in the Kitsilano neighbourhood of Vancouver.

COURTESY SQUAMIISH NATION - The new Squamish First Nation development in the Kitsilano neighbourhood of Vancouver will be the largest Indigenous-led economic project in Canadian history and the largest net-zero residential project in Canada. It will consist of 11 towers ranging in height from 12 to 58 storeys.



Remedial excavation of contaminated soils along previous railway lines has begun and crews are starting on bulk excavation work for phase one of the project.

The L-shaped parcel of land which straddles both sides of the Burrard Bridge was once an ancient village forcibly taken away from the Squamish First Nation more than a century ago but subsequently returned by the courts in 2003.

The new development will be the largest Indigenous-led economic project in Canadian history and the



largest net-zero residential project in Canada, consisting of 11 towers ranging in height from 12 to 58 storeys. Ten of the towers will be mainly for residential use. They will have commercial space on the ground floors.

The development will feature Coast Salish architecture and design across a 10-acre site. Roughly 400 of the units will be for Squamish Nation members.

COURTESY SQUAMISH NATION — The L-shaped parcel of land which straddles both sides of the Burrard Bridge was once an ancient village forcibly taken away from the Squamish First Nation more than a century ago but subsequently returned by the courts in 2003.



“The residential towers’ exterior design will resemble the longhouses that existed in the previous Senakw village,” explains Connor Trembley, a spokesperson for the Squamish Nation. “Moreover, their wavy balconies will be inspired by the nation’s traditional art.”

There will also be Coast Salish architecture in interior spaces of the buildings, in public areas, rental units and signs.

“These designs will reflect our cultural values and traditions,” says Trembley. “The designs are important because they will help to remind people that they’re on our traditional territory and intrigue them to learn more about our culture.”

The project is being done in four phases. The first residents are expected to move in in 2025 and the entire project should be completed by 2029. The development will consist of 2,634 studios, 2,034 one-bedroom, 868 two-bedroom and 490 three-bedroom units. Many of the units will be rental.

The project is important for Squamish First Nation because it is expected to generate an estimated long-term return of more than \$10 billion, mainly from the rentals and business leases in the 10 towers.

The development will “generate billions of dollars in annual revenue so we can become more financially independent,” says Trembley, noting it will create jobs for our members in the construction, design and security sectors.

The development will achieve the goal of providing housing to every member of the Squamish Nation within a generation and densify the housing stock so more members can secure accommodation, he says.

The project will include stores so Vancouverites can shop locally, a new day care centre, and new cycling lanes and walkways to provide better connectivity to the Kitsilano area and Burrard Street Bridge.

COURTESY SQUAMISH NATION — An official groundbreaking was held at the site earlier this fall. Delegates from both the Squamish Nation and federal government attended. The federal government has committed \$1.4 billion for the first two phases of the project.



New green spaces and public spaces will also be created to revitalize the area. Squamish First Nation intends to invite the public to attend some of its events and ceremonies at plazas on the site to showcase how humanity and nature can co-exist. Trees and other plants will be put along sidewalks and pathways.

The proposed form of the development has been inspired by the unique location and historic context of the site, and the deep embrace of nature by the Squamish Nation – the mountains, forest and water, and craftwork traditions of carving and weaving – which resulted in two distinct typologies of buildings whose paths converge at the foot of the Burrard Street Bridge.

To achieve the goal of net-zero, many of the buildings will be made from mass timber, which generates less carbon than cement. All of the development’s heating and cooling will be produced by a 10-megawatt district energy system fed by waste heat from Metro Vancouver’s adjacent sewer infrastructure.

An official groundbreaking was held at the site earlier this fall. Delegates from both the Squamish



Nation and federal government attended. The federal government has committed \$1.4 billion for the first two phases of the project.

The economic partnership is the largest in Canadian history between a First Nation and the federal government and the largest loan ever from the Canada Mortgage and Housing Corporation. It is through the Rental Construction Financing Initiative launched in 2017 which provides low-interest, repayable loans to support large-scale residential construction projects that encourage a stable supply of rental housing for middle-income families in expensive housing markets.

Squamish Nation says in a statement the federal government is helping to define a new generation of First Nations reconciliation and leadership, grow the economy and create good jobs.

“We will continue to work together to advance meaningful reconciliation, including economic reconciliation, and ensure everyone has a safe place to call home,” the statement reads.

Squamish Nation council chairperson Khelsilem, who uses one name, said the partnership to support the residential development is a historic moment in Canada’s relationship with Indigenous communities.

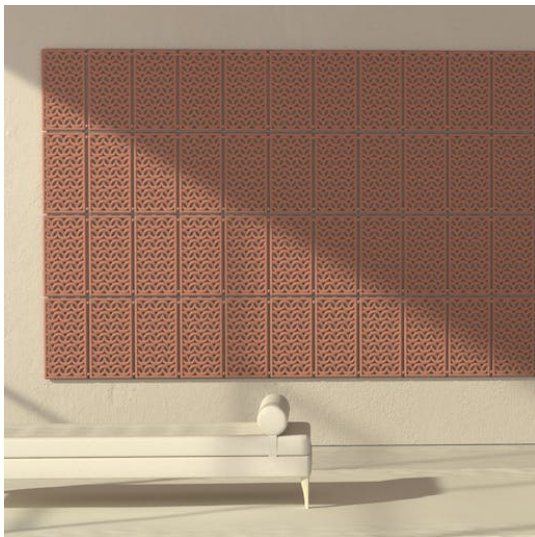
“This investment will build many needed rental apartments and generate long-term wealth for Squamish people across many generations. The wealth generated from these lands can then be recirculated into our local economies and communities to address our people’s urgent needs for affordable housing, education, and social services.”

## Inspired by Desert Environments, This Terracotta System Uses Water to Cool Indoor Spaces Without Electricity

Sourced from: <https://archinect.com> / Neil Patrick Walsh

Industrial designer and illustrator Yael Issacharov has designed an air conditioning system whose terracotta tile structure is inspired by desert environments. Titled ‘Nave,’ the system takes references from the traditional Palestinian technique of hanging terracotta water containers from ceilings to provide drinking water and space cooling.

Nave Air Conditioning System by Yael Issacharov (Francesco Maria Lucini)



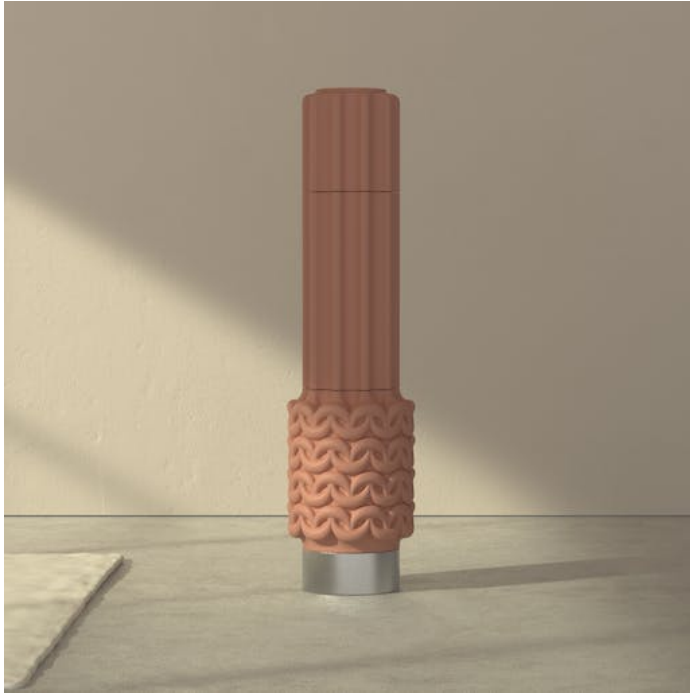
The Nave system offers three variations: wall tiles, partitions, and a totem vertical cooling body. Each element is constructed of hollowed ceramic bodies made from local terracotta casted from plastic molds, while flexible joints are made from injection-molded recycled rubber.

The terracotta tile system is combined with water flow to cool indoor spaces. The electricity-free method sees water flow through the internal hollow structure of the terracotta walls, absorbing heat from the surrounding air to cool the room. In everyday use, the system uses an automatic irrigation system to keep the surrounding space at a constant temperature, with users given the option to pause, shut down, or reprogram the temperature and humidity settings.

In designing the form of the terracotta system, Issacharov developed two patterns combining aesthetic with functionality. The first ‘cooling ribs’ pattern takes inspiration from the patterns often seen in conventional heating and cooling products, while a

'weaved' pattern is inspired by traditional weaved partitions that facilitate internal airflow in desert environments.

Nave Air Conditioning System by Yael Issacharov (Francesco Maria Lucini)



"The major technical/research challenge in the development of Nave was transforming an uncontrollable cooling principle (a combination of water and terracotta, both natural materials) to a controlled cooling system," Issacharov explained. "This was crucial. The system has to be extremely comfortable in order to be appealing as a cooling solution, and has to be very accurate in the amounts of water coming in the system, to not be wasteful and not cause damage."

After beginning work on Nave in October 2019, Issacharov received a Bronze A' Design Award in 2022 for the project.

## Tree Thieves: Who Owns the Forest?

Sourced From: Sourced from: <https://www.architectmagazine.com> / Blaine Brownell

Illegal timber harvesting has an annual economic impact of \$1 billion nationwide. Blaine Brownell finds, however, that the causes, effects, and solutions – like DNA analysis – are far from clearcut.

One of the most significant forms of property theft occurs not in urban areas, but in forests. Illegal logging comprises up to 30% of the global timber trade – and up to 90% in tropical regions. As the value of forest products increases, timber trafficking becomes an ever more lucrative enterprise – yielding up to \$150 billion annually. In the U.S. alone, tree poaching in national forests is estimated at \$100 million – and that's just a small percentage. According to Lyndsie Bourgon, author of *Tree Thieves: Crime and Survival in North America's Woods* (Little, Brown, 2022), illegal timber harvesting has an annual economic impact of \$1 billion nationwide.

Other adverse consequences of tree poaching include its carbon impact and deleterious influence on ecological systems. "When the trees disappear, so too do the animals, birds, and smaller flora and fungi that rely on them," Bourgon writes. "Tree poaching, even on a small scale, has a far-reaching impact, contributing to a decline in environmental health and weakening our forests, leaving marks on the Earth that will persist for hundreds of years."

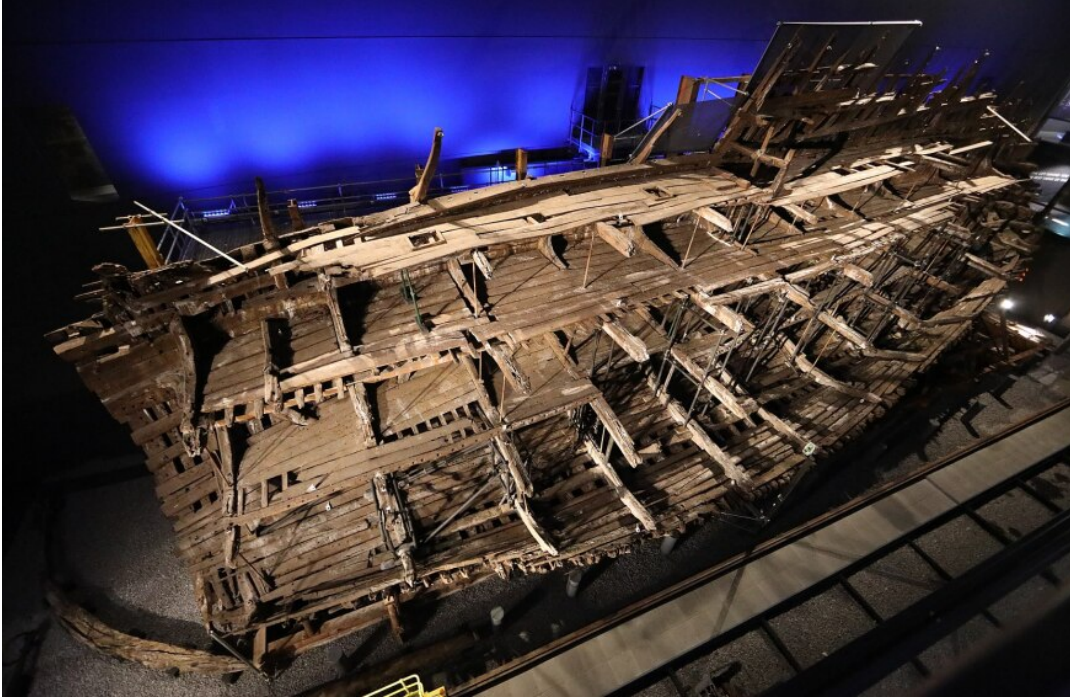
Preventative and regulatory measures have thus far been largely ineffectual. As a result, tree theft is becoming a matter for law enforcement. DNA testing – a method long used to produce evidence in criminal justice cases – is becoming a viable way to track timber. Wood DNA analysis can help scientists link a tree specimen to its site, and thus, connect a questionably sourced piece of milled lumber to a deforestation crime scene.

At the University of Adelaide in Australia, professor and plant geneticist Andrew Lowe developed a method to extract DNA from forest products. Lowe and his team successfully matched harvested wood specimens with their original locations – including oak samples from King Henry VIII's ship, the



Mary Rose, which sank in 1545. Lowe joined forces with sustainable construction expert Kevin Hill, founder of Double Helix Tracking Technologies in Singapore, as the company's chief scientific officer. Double Helix works with a network of associates distributed across multiple continents to monitor the geographic provenance of wood products.

By Geni – photo by user:geni, CC BY-SA 4.0 – Remnants of the Mary Rose, which sank in 1545. Using DNA, University of Adelaide plant geneticist Andrew Lowe matched the ship's wood to its original locations.



Like other forms of genetic testing, wood DNA analysis requires the processing of significant amounts of data. However, the technology is developing so rapidly that desktop-scaled machines are now available. The biggest challenge has been accumulating sufficient site information, given the vastness of forested areas that require sampling. When adequate reference databases

have been developed, DNA testing has delivered the proverbial smoking gun. For example, in one 2015 case, the U.S. Forest Service determined that bigleaf maple samples were illegally sourced from Washington state's Gifford Pinchot National Forest. In another well-publicized trial, USFS tree geneticist Richard Cronn helped link the poaching of maple trees to a location in the Olympic National Forest.

Despite these successful examples, sourcing geographic data remains a challenge. In the recently published IAWA Journal article "Tracing the world's timber: the status of scientific verification technologies for species and origin identification," a team of researchers evaluated existing sample and location databases. The authors found that while reference data exists for 100% of 322 priority tree taxa (taxonomic classes), site-based information remains lacking. The team estimates it will take roughly 27 years to develop sufficient geographic data for these taxa. Nevertheless, organizations like the Forest Legality Initiative and Global Timber Tracking Network (GTTN) remain undaunted—aiming to expand DNA tracking capabilities worldwide with the help of tools such as the Open Timber Portal, a timber transparency platform, and World Forest ID, a geo-referenced wood sample database.

Intriguingly, Tree Thieves reveals that the conflict is not always a clear-cut issue. Offering a nuanced analysis of forest resource utilization and regulations, Bourgon argues that many poachers harvest timber due to extreme economic hardship – or because a forest was originally deemed a commons.

"People have 'taken' wood for centuries, but wood has also been taken from us, cloistered within fences and marked boundaries on maps," Bourgon writes. "Throughout history, removing land from community use often caused a wreckage, and while every poacher's story is unique, they all act out of the simmering need that followed."

Thus, as the battle against illegal timber harvesting intensifies, an awareness of the socioeconomic motivations of tree poaching will help inform how to discourage the detrimental loss of forests and invite other means to support communities that harvest timber as a last resort.

## ASSOCIATION LINKS

- **Alberta Construction Safety Association (ACSA)**  
[www.acsa-safety.org](http://www.acsa-safety.org)
- **Alberta Building Envelope Council (ABEC)**  
[www.abecnorth.org](http://www.abecnorth.org)
- **Building Information Modeling (BIM) Forum**  
[www.insightinfo.com/bimforum](http://www.insightinfo.com/bimforum)
- **Biomimicry Guild**  
[www.biomimicryguild.com](http://www.biomimicryguild.com)
- **Canadian Green Building Council (CaGBC)** [www.cagbc.org](http://www.cagbc.org)
- **CCDC Documents**  
[www.ccdc.org/home.html](http://www.ccdc.org/home.html)
- **Construction Specifications Institute (CSI)** [www.csinet.org](http://www.csinet.org)
- **International Construction Information Society (ICIS)** [www.icis.org](http://www.icis.org)
- **OmniClass**  
[www.omniclass.ca](http://www.omniclass.ca)  
[www.omniclass.org](http://www.omniclass.org)
- **Unifomat**  
[www.csinet.org/unifomat](http://www.csinet.org/unifomat)
- **Institute for BIM in Canada (IBM)**  
[www.ibc-bim.ca](http://www.ibc-bim.ca)
- **Architecture 2030**  
[www.architecture2030.org](http://www.architecture2030.org)
- **BuildingSMART Alliance** (North American Chapter of BuildingSMART):  
[www.buildingsmartalliance.com](http://www.buildingsmartalliance.com)  
**BuildingSMART International (formerly IAI)**  
[www.buildingsmart.com](http://www.buildingsmart.com)
- **Biomimicry Institute**  
[www.biomimicryinstitute.org](http://www.biomimicryinstitute.org)
- **Canada BIM Council**  
[www.canbim.com](http://www.canbim.com)
- **Canadian Green Building Council (CaGBC) – Alberta Chapter:**  
[www.cagbc/chapters/alberta](http://www.cagbc/chapters/alberta)
- **Construction Specifications Canada (CSC)**  
[www.csc-dcc.ca](http://www.csc-dcc.ca)
- **buildingSMART Data Dictionary**  
[bsdd.buildingsmart.org](http://bsdd.buildingsmart.org)
- **MasterFormat**  
(<https://secure.spex.ca/siteadmin/freedocuments/images/1.pdf>)
- **buildingSMART Canada**  
[www.buildingsmartcanada.ca](http://www.buildingsmartcanada.ca)
- **Ace BIM**  
[www.acebim.ca](http://www.acebim.ca)

## ASSOCIATION LIAISONS

Alberta Association of Architects (AAA)  
<http://www.aaa.ab.ca/>

Alberta Painting Contractors Association (APCA)  
[www.apca.ca](http://www.apca.ca)

Alberta Wall & Ceiling Association (AWCA)  
<http://awca.ca>

Alberta Roofing Contractors Association (ARCA)  
<http://www.arcaonline.ca>  
[info@arcaonline.ca](mailto:info@arcaonline.ca)

Alberta Painting Contractors Association (APCA)  
[www.apca.ca](http://www.apca.ca)

Association of Professional Engineers, Geologists, and Geophysicists of Alberta (APEGGA)  
<http://www.apegga.org/> [dward@apegga.org](mailto:dward@apegga.org)

Association of Science and Engineering Technology Professionals of Alberta (ASET)  
<http://www.aset.ab.ca/>  
Russ Medvedev, [russm@aset.ab.ca](mailto:russm@aset.ab.ca)

Building Owners and Managers Association

American Society of Heating, Refrigerating and  
Air-Conditioning Engineers (ASHRAE)  
<http://www.ashrae.org/> / [ashrae@ashrae.org](mailto:ashrae@ashrae.org)

The Canadian Wood Council (CWC)  
<http://www.cwc.ca>  
[info@cwcc.ca](mailto:info@cwcc.ca)

Portland Cement Association  
[ConcreteTechnology@cement.org](mailto:ConcreteTechnology@cement.org)

Interior Designers of Alberta  
[www.interiordesignalberta.com](http://www.interiordesignalberta.com)

(BOMA)  
<http://www.bomaedmonton.org/> /  
[edmonton@boma.ca](mailto:edmonton@boma.ca)  
Consulting Engineers of Alberta (CEA)  
<http://www.cea.ca/> [info@cea.ca](mailto:info@cea.ca)

Edmonton Construction Association  
[www.edmca.com](http://www.edmca.com)  
[contact@edmca.com](mailto:contact@edmca.com)

Terrazzo, Tile & Marble Association of Canada  
(TTMAC)  
<http://www.ttmac.com/>  
[association@ttmac.com](mailto:association@ttmac.com)

## Bulletin Board

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### Message from the Executive:

We in the Executive are looking for creative-minded individuals who can take on a position and follow through with ideas...if this is YOU, send a message to [information@cscedmonton.ca](mailto:information@cscedmonton.ca) and we will be quick to get back to you!




















### Open Positions Include:

Chapter Liaison  
Sustainability

You don't need to be a member of the Committee to come and participate in our monthly Chapter meetings but watch out if you do! You may find yourself holding a position...maybe even as Chapter Chair...



## The Executive

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<b>Officer Technical Program</b>  Jessica Prosser Project Manager Fullster Iron P 587-340-7169 <a href="mailto:j.prosser@fullsteriron.com">j.prosser@fullsteriron.com</a>	<b>Officer Membership</b>  David Lawrence Retired P: 780-901-7260 <a href="mailto:davidlawrence@interbaun.com">davidlawrence@interbaun.com</a>	<b>Officer at Large</b>  David Lawrence Retired P: 780-901-7260 <a href="mailto:davidlawrence@interbaun.com">davidlawrence@interbaun.com</a>	<b>Officer Sustainability</b>  Position Open
<b>Officer Marketing</b>  Position Open	<b>Officer Trade Contractor</b>  Kevin Kramers, CET, CTR, RRO ARCA – Technical Officer P: 587-232-0613 <a href="mailto:technical@arcaonline.ca">technical@arcaonline.ca</a>	<b>Officer – Owner's Rep</b>  Cam Munro, CTR Alberta Infrastructure P: 780-231-1739 <a href="mailto:Cam.munro@gov.ab.ca">Cam.munro@gov.ab.ca</a>	