

ENERGY 2018

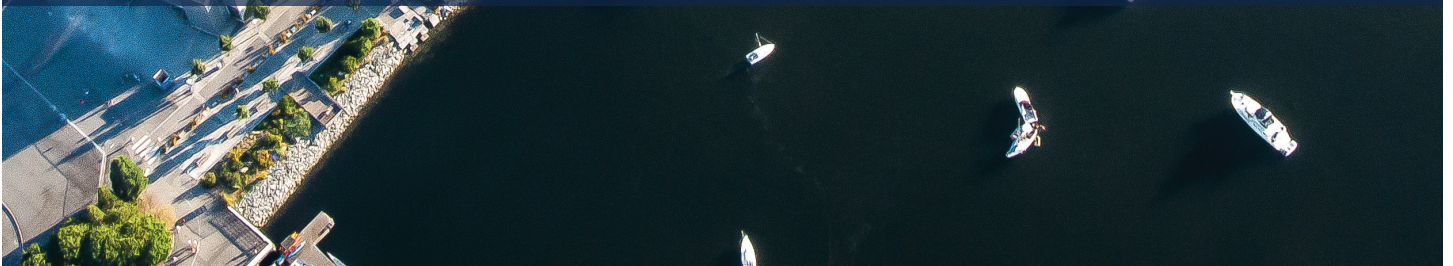


2018 BCSLA ANNUAL CONFERENCE, SHOWCASE & AGM

Thursday, May 10 - Saturday, May 12

J.W. Marriott Parq Vancouver, 39 Smithe Street, Vancouver, BC

Register online at <https://goo.gl/8yqByG>. Early bird rates end April 10, 2018.



WELCOME

It is our honour to welcome you to the British Columbia Society of Landscape Architects (BCSLA) 2018 Annual Conference, Showcase of Products and Services and Annual General Meeting.

A big thank you to all of our program and Showcase Exhibitors. With your generosity, the BCSLA can continue to offer valuable programs, services, and activities.

Delegates are invited to visit all of the booths to see the latest products and services and to thank our supporters. Volunteers have organized a contest that is intended to encourage delegates to visit the exhibit booths through the use of a fun event. The conference postcard has been printed on a nine-piece cardboard puzzle. We will remove approx. 90% of the one piece and then circulate equal numbers of the randomly selected package of the pieces to each exhibitor. No one would know where the magic pieces would be making this completely random. Delegates who collect all nine pieces to form the puzzle would earn prizes.

Special thanks to **Abbotsford Concrete Products Ltd.** for supplying the lanyards and to **Denbow** for providing the fantastic delegate bags.

We are grateful to the following BCSLA volunteers:

Kathy Dunster, Patricia Gooch, Emily Hamilton, Cindy Hsu Becker, Nastaran Moradinejad, Linda Nielsen, Nancy Paul, Dorsai Sharif, Mickella Sjoquist, Dave Thompson, Stephen Vincent, and Stephen Watt.

Cover image: *PWL Partnership Landscape Architects Inc.*

CONFERENCE AT A GLANCE

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THURSDAY, MAY 10 - PRE-CONFERENCE

- 5:30 PM - 7:30 PM **Landscape Café Registration**.....Fairview I
- 6:00 PM - 7:30 PM **Landscape Café: Low Carbon Resilient Landscapes**.....Fairview I
Deborah Hartford, Chris Raftis (ACT)

FRIDAY, MAY 11

- 7:30 AM - 7:30 PM **Showcase Exhibits**.....Parq Grand Ballroom + Prefunction
- 7:30 AM - 8:30 AM **Breakfast Buffet**.....Parq Grand Ballroom + Prefunction
generously supported by **EQUIPARC**
- 8:30 AM - 8:40 AM **Welcoming Remarks**.....Parq Grand Ballroom
- 8:40 AM - 9:15 AM **Musqueam First Nations Opening**.....Parq Grand Ballroom
- 9:15 AM - 10:00 AM **KEYNOTE #1: David Wugadusk Isaac**.....Parq Grand Ballroom
RENEWABLE ENERGY EMPOWERMENT
- 10:00 AM - 10:30 AM **Coffee Break + Showcase**.....Parq Grand Ballroom + Prefunction
generously supported by **CANADA OUTDOOR KITCHENS**
- 10:30 AM - 11:30 AM **Active Transportation = Energy**.....Parq Grand Ballroom
Cynthia Girling MBCSLA, FCSLA, FASLA, FCELA; Lisa Parker MBCSLA; Ian Wasson MBCSLA, FCSLA; Douglas Scott MBCSLA (INACTIVE)
- Hydro One and Natural Habitats**.....Granville I
Doris Chee OALA; Paul Dalmazzi

FRIDAY, MAY 11 (cont.)

- 10:30 AM - 11:30 AM **A Creative Energy Pop-Up-Park**.....Granville II
Maciej Golaszewski BCSLA INTERN
- 11:30AM - 12:00 PM **Coffee Break + Showcase**.....Parq Grand Ballroom + Prefunction
- 12:00 PM - 12:45 PM **Community Energy Planning**.....Parq Grand Ballroom
Ellen Pond BCSLA; *Sara Muir Owen* CIP
- Book Club Discussion of PROJECT DRAWDOWN**.....Granville I
Adrienne Brown MBCSLA, FCSLA
- Archaeology and Development in BC**.....Granville II
Adrian Myers PH.D, RPA
- 12:45 PM - 2:00 PM **BCSLA INTERN IDEA EXCHANGE LUNCHEON**.....Granville II
- 12:45 PM - 2:00 PM **CSLA AWARDS LUNCHEON**.....Parq Grand Ballroom
Presented by *Dean Gregory* MBCSLA, ASLA, LEED® AP
generously supported by **METRIX PROFESSIONAL INSURANCE BROKERS** and **XL CATLIN**
- 2:00 PM - 3:00 PM **Exploring Cities' Illuminations**.....Parq Grand Ballroom
Sylvain Bertin PH.D; *Sebastien Panouille*
generously supported by **CDM2 LIGHTWORKS**
- Who's Backyard is Required?**.....Granville I
Cole Hendrigan PH.D, BCSLA
- Harnessing Community Energies**.....Granville II
Catherine Berris MBCSLA, FCSLA
- 3:00 PM - 3:30 PM **Coffee Break + Showcase**.....Parq Grand Ballroom + Prefunction
- 3:30 PM - 4:30 PM **the RAINCITY STRATEGY**Parq Grand Ballroom
Cameron Owen MBCSLA; *Jesse Neufeld* P.ENG
generously supported by **ISL ENGINEERING AND LAND SERVICES LTD.**
- Invasive Species and Impacts to Property**.....Granville I
Danielle Toperczer B.SC
- Cultural Values**.....Granville II
Christopher Szymberski BCSLA INTERN
- 4:30 PM - 5:00 PM **OALA Pursuit of a Practice Act**.....Parq Grand Ballroom
Doris Chee OALA PAST PRESIDENT
- 5:00 PM - 6:00 PM **KEYNOTE #2: Dawn Morrison**.....Parq Grand Ballroom
INDIGENOUS FOOD SOVEREIGNTY
- 6:00 PM - 8:00 PM **WELCOMING RECEPTION**.....Parq Grand Ballroom
generously supported by **T. MOSCONE BROS. LANDSCAPING LTD.**
with refreshments by **ABBOTSFORD CONCRETE PRODUCTS LTD.**

SATURDAY, MAY 12

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- 8:00 AM - 1:30 PM **Showcase Exhibits**.....Parq Grand Ballroom + Prefunction
- 8:00 AM - 8:45 AM **Breakfast Buffet**.....Parq Grand Ballroom + Prefunction
generously supported by **MCELHANNEY CONSULTING SERVICES LTD.**
- 8:45 AM - 9:00 AM **Opening Remarks**.....Parq Grand Ballroom
- 9:00 AM - 9:15 AM **TOUR GROUP MUSTER**.....Parq Grand Ballroom Prefunction

Mobile Tours

Tours leave on time (rain or shine). Please wear sensible footwear and dress appropriately for the climate.

- 9:15 AM - 10:45 PM **TOUR #1: Urban Sketching**
- TOUR #2: Birding at Lost Lagoon**
generously sponsored by **MAGLIN SITE FURNITURE INC.**
- TOUR #3: Yaletown Accessibility Tour**
- TOUR #4: Hinge Park Tour**
- 9:15 AM - 10:45 AM **Film Screening: The Sun on Top of the House**.....Granville I
- 10:45 AM - 11:30 AM **Energy and Accessibility**.....Parq Grand Ballroom
Gabriel Chesman OMCP; Alan Main MBCSLA, ISA; Emily Hamilton BCSLA INTERN, ISA
- What to Keep and For How Long?**.....Granville I
Erik Lees MBCSLA, FCSLA, RPP; Cailin Bartlett
- Design with Time**.....Granville II
Cameron Murray MBCSLA
- 11:30 AM - 12:00 PM **Coffee Break + Showcase**.....Parq Grand Ballroom + Prefunction
generously supported by **MCELHANNEY CONSULTING SERVICES LTD.**
- 12:00 PM - 12:45 PM **KEYNOTE #3: Robin Rosebrugh**.....Parq Grand Ballroom
TELLING STORIES WITH LIGHT
- 12:45 PM - 2:30 PM **BCSLA AWARDS LUNCHEON**.....Parq Grand Ballroom
Presented by Al Neufeld & Scott Watson
- 2:00 PM - 2:30 PM **AGM Registration**.....Parq Grand Ballroom + Prefunction
- 2:30 PM - 4:30 PM **2018 BCSLA Annual General Meeting**.....Parq Grand Ballroom
- 4:30 PM - 6:30 PM **NEW MEMBERS BOOK AWARDS & CLOSING RECEPTION**.....Burrard Room
Presented by Mark Vaughan & Stephen Vincent
Book awards generously sponsored by **CEDAR CREST LANDS (B.C.) LTD.**

ABSTRACTS AND SPEAKER BIOS

THURSDAY, MAY 10

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LANDSCAPE CAFÉ

Low Carbon Resilient Landscapes

SFU Adaptation to Climate Change Team (ACT)

Deborah Hartford; Chris Raftis

ABSTRACT ACT (the Adaptation to Climate Change Team), based at Simon Fraser University's School of Public Policy, is dedicated to developing and delivering a unique combination of research, outreach and policy innovation designed to benefit Canadian decision-makers, sectors and communities as they work to respond to the challenges posed by climate change.

Climate change is here, bringing unprecedented challenges, but also new opportunities. It is vital that we equip decision-makers with resources that will assist industry, governments, and communities to adapt to the impacts.

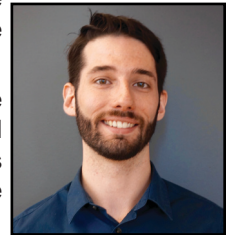
ACT's work on Low Carbon Resilience is focused on integrating climate change strategies that reduce greenhouse gas emissions (mitigation) and planning designed to reduce vulnerability to climate change impacts (adaptation).

BIOS Deb Hartford As executive director of ACT, Deborah Hartford is responsible for development of the initiative's pioneering vision and its unique partnerships with the public and private sectors, as well as overall coordination and management of the program. She also directs and produces ACT's policy recommendations for effective adaptation strategies at all levels of government, as well as communication and promotion of the program's outcomes.

Through Deborah's efforts, ACT has created networks between local, national and international climate change research practitioners, NGOs, industry representatives, all levels of government, First Nations groups and local communities.

Deborah's work with ACT has gained her national recognition as a resource for those seeking information on climate change adaptation and practical coping strategies.

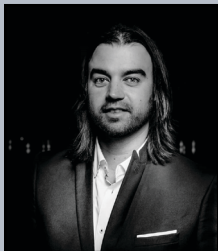
Chris Raftis is a master student in the School of Public Policy at Simon Fraser University. He is working with the Adaptation to Climate Change Team to examine how public policies can be designed to engage professionals in climate change adaptation and mitigation. Chris was previously involved in climate change research as a research assistant at the University of Waterloo. In his previous position, at the Institute for Competitiveness & Prosperity, Chris looked at Ontario's pressing economic and environmental issues, including carbon pricing and air pollution. Chris earned his bachelor's degree at the University of Waterloo in the Environment and Resource Studies program, where he also studied economics.



FRIDAY, MAY 11

KEYNOTE

Renewable Energy Empowerment



David Wugadusk Isaac *President, W Dusk Energy Group*

BIO David Isaac, also known as Wugadusk in his traditional name, is a Mi'kmaq originally from Listuguj, Quebec but was raised in Vancouver within the traditional territory of the Coast Salish peoples. He has been a long-time advocate for Indigenous health, the environment and has previously served as the Deputy Executive Director for the Vancouver Native Health Society as well as the Centre for Native Policy & Research.

David is the President of the W Dusk Energy Group, which works with Indigenous communities to harness the power of their renewable energy resources in tandem with broader community development initiatives like planning, food systems and infrastructure development. W Dusk is actively developing megawatt and community scale solar farms. They have a strong appreciation for aesthetic and landscape architecture and integrate these elements in all of their projects. W Dusk recently completed two of BC's largest community owned (distributed power) solar projects and are developing renewable powered greenhouses and water systems. When David is not working, he can be found in nature and is an avid ocean yacht racer.

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Active Transportation = Energy: Tools for valuing active transportation initiatives

Cynthia Girling *MBCSLA, FCSLA, FASLA, FCELA*; **Lisa Parker** *MBCSLA*; **Ian Wasson** *MBCSLA, FCSLA*; **Douglas Scott** *MBCSLA (INACTIVE)*

ABSTRACT Active transportation (AT) uses human energy in lieu of fossil fuels to move people around cities, helping to reduce GHG emissions and concurrently contributing to human health. Society is broadly aware of these benefits yet it is still challenging to wean ourselves of our dependence on motorized vehicles. For example, despite broad support for better walking and biking networks, the public often opposes removals of vehicle infrastructure to create better AT infrastructure. Nonetheless, where urban design, land use, transit and AT infrastructure work together, we see significant shifts toward increased walking and cycling. In public conversations about active transportation, landscape architects and other AT professions need effective tools to communicate the deep evidence that exists of the benefits of AT in efforts to reduce GHG emissions and to improved health.

With reference to the successes achieved in the Greater Vancouver communities, this presentation assembles important indicators of active transportation networks and spaces. We will dig into the literature, local data and benchmarks of success, which demonstrate how effective design of AT infrastructure can help to reduce trips made by motorized vehicles, increase participation in active transportation and result in improved public health. Panelists from the City of Vancouver, City of North Vancouver and Burnaby will summarize their cities' progress toward improving active transportation and will apply the toolkit as demonstrations of application. Through this presentation we will deliver a toolkit of methods to measure and evaluate active transportation.

BIOS Cynthia Girling is a professor of landscape architecture whose research focuses on sustainable neighbourhood design, with a focus most recently on evaluation and metrics, including walkability and bike-ability. She has recently conducted post-occupancy studies of several new neighbourhoods in the Vancouver area employing spatial indicators and metrics of sustainable development.

Lisa Parker is a registered landscape architect and manages the project delivery team with the City of North Vancouver, which is primarily focused on alternative transportation infrastructure. She is presently completing two major multi-use trail greenway systems within the City, the Spirit Trail and Green Necklace.

Ian Wasson is a registered landscape architect and Urban Design and Community Planner with the City of Burnaby. He is an author of Burnaby's Public Realm Standards encouraging walking, cycling and transit use, and coordinates design and implementation of multi-use urban trails, including the Central Valley Greenway.

Douglas Scott is the senior transportation development planner with the Active Transportation team in Engineering Services, City of Vancouver. Douglas advocates for walking and cycling for people of all ages and abilities on major active transportation projects, and has managed the design and implementation of greenways including the Central Valley Greenway and Comox-Helmcken.



Hydro One and Natural Habitats

Doris Chee *OALA*; **Paul Dalmazzi**



ABSTRACT When it comes to utilities in the landscape, many types of infrastructure often go unnoticed. However, electricity transmission infrastructure are among the most noticeable and recognisable public utilities in the landscape. These corridors and facilities, often marked by the absence of trees and presence of either a linear row of steel towers or gravel fenced yard housing a myriad of metal buswork, can be found among urban, suburban and rural landscapes alike. And all these facilities are connected by wires or cables that bring us light, heat and hot coffee in the morning.

Hydro One Networks Inc is Ontario's largest electricity transmission and distribution provider with more than 1.3 million valued customers and \$24.8 billion in assets. We operate 30,000 circuit km high-voltage transmission and 123,000 circuit km primary distribution network all over the province. That's enough lines to wrap around the Earth three times. We also own and operate transmission and distribution stations throughout the province.



Hydro One is charged with managing the land that houses our facilities. In addition to ensuring the safe and reliable delivery of electricity, we have committed to undertaking responsible stewardship and sustainable management to protect and enhance the natural environment and fit with the surrounding community. At the Clarington Transformer Station, our newest 500 to 230 kV transformer station located in the Municipality of Clarington just east of Toronto, we challenged ourselves to build a station that not only bring state of the art electrical transmission equipment but to embrace and enhance the habitats and natural features that surround it. Situated in an agricultural community with some remnants of woodlots and bordered by headwater tributaries of local creeks, the lands surrounding the 11 hectare station have been designed to accommodate both the natural and residential environments in the area. We have undertaken a progressive approach to restoring and creating surrounding habitats and ensuring the natural environment will be enhanced throughout the operational life of the station and beyond. We will present the process undertaken to date and the resulting landscape and habitat creation plan for the Clarington Transformer Station. We hope to lead by example, to foster discussions and partnership with other utilities

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and large corporations on stewardship and sustainable land management programs and processes contributing to a better future for Ontario's environment.

BIOS Doris Chee is a landscape architect in Ontario with over 30 years' experience in the field of public and private spaces. Her last 10 years has been with the Environmental Services department at Hydro One Networks Inc. Hydro One is the largest electrical transmission company in Ontario building and transmitting electrical energy through corridors and stations throughout the province. As the landscape architect for the company and working with fellow environmental planners and other Hydro One specialists, her work takes her all over the province looking at the impacts and effects of Hydro's facilities on local natural environment and communities including large urban centers. Her work ranges from small pocket plantings to major enhancement to existing natural environments while challenged with restrictions and policies of an important infrastructure.

Paul Dalmazzi is an environmental planner for Hydro One's Environmental Services department, where he coordinates environmental assessments and associated field studies and research. Paul graduated from the University of Waterloo in 2009 with an Honours Bachelor of Science degree in Science and Business, with a specialization in Biology.

A Creative Energy Pop-Up-Park

Maciej Golaszewski *B CSLA INTERN*

ABSTRACT Creative Energy Pop-up Park (E-pop) presents a unique approach in connecting renewable energy technologies with the public through energy education and gamification. Through tactical urbanism, E-pop is a small-scale community park embedded with renewable energy technologies where a person or a group of people will explore interactive activities for harvesting energy from human movement.

At the park, energy generated can be shared between users as a currency and used to power up lights, personal devices etc. Information is then displayed to educate the public and used to inform design decisions towards building urban resiliency.

BIO Maciej Golaszewski is a Project Designer at Stantec. He is currently leading a multidisciplinary innovation project focused on addressing misconception and misunderstanding of energy literacy through design for smart cities. He believes, educating the public about basic energy literacy is a key to better-informed decisions in daily energy consumption.



Community Energy Planning... with two years to our first targets!

Ellen Pond *B CSLA*; **Sara Muir Owen** *CIP*

ABSTRACT As we move towards the first decade with modelled climate impacts, and key dates to meet climate targets loom ever closer (2020, 2025, 2030...), energy is always on our minds! In this session, C2MP partners will share perspectives on the state of community energy planning and our learnings over the past decade. As the leading community energy planning firm in British Columbia, we'll share some of the frustrations frankly (where has land use gone as a strategy?), and some wonderful community "wins" such as the City of Kimberley's SunMine. What's next for communities? Disruptive technologies could change the game (think electric and autonomous vehicles), resilient infrastructure, solar gardens... we'll open the discussion.

This session is intended for anyone interested in how landscape architects have been shaping and can shape community responses to climate change, with a focus on the broad and ever-changing field of community energy.

BIOS Ellen Pond is passionate about all things "community energy"! Through prior work at UBC and the Pembina Institute, and on-going work as a C2MP Partner, she has worked for the past decade to advance low-carbon communities. Ellen also instructs in and chairs the Policy Studies program at Kwantlen Polytechnic University.

Sara Muir Owen has more than 10 years' experience in sustainable community planning in the US and Canada. She currently works as the UBC program manager for the Pacific Institute for Climate Solutions, and presents internationally on climate change and sustainable communities. She has a Master of Landscape Architecture from UBC.

Book Club Discussion of **PROJECT DRAWDOWN**

Adrienne Brown *MBCSLA, FCSLA*

ABSTRACT Project Drawdown is a comprehensive plan proposed to reverse global warming produced by "a diverse group of researchers. It points the way to solutions that in combination, can roll back global warming within the next thirty years, showing that humanity has this capacity. Nothing new needs to be invented. The solutions are in place and in action. Why the term "drawdown"? Editor Paul Hawken chose the word to replace emissions reductions and mitigation to address the challenge of drawing greenhouse emissions down to net zero by 2050. We ask participants to read a portion of the book* (content is available online), so we can talk about some of the 100 proposed approaches to reducing global CO2. Discussion will focus on how landscape architects can actively contribute to, or advocate environmental initiatives that utilize alternative energy sources to



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reduce atmospheric CO2.

*Drawdown, Penguin Books, 2017, 256 pages, paperback

BIO Adrienne Brown When serving as Past President of the BCSLA in 2002, Adrienne brought a draft Sustainability Declaration to the CSLA (as proposed by Michael von Hausen), and the resulting statement was adopted the following year. Today she specializes in residential garden design on the Lower Mainland and the Southern Gulf Islands, and continues in her role of webmaster and editor of the Sitelines Web Atlas.

Archaeology and Development in BC: How To Understand the Regulations and Implement Best Practices for Managing Archaeological Risk

Adrian Myers PH.D, RPA



ABSTRACT This presentation introduces archaeological practice in BC in the context of development projects, and provides an overview of both the legal framework that regulates archaeology and protects archaeological sites, and best practices for managing archaeological risk on development projects. Participants will come out better equipped to deal with archaeology as a potential component of their projects, as a potential source of risk, and better equipped to work with archaeological professionals on their project teams. The target audience are professionals from any field that are involved in development of projects.

BIO Adrian Myers is an archaeology project manager based in Vancouver for a global engineering and environmental consulting firm. Adrian is a Registered Professional Archaeologist (RPA) and holds a BA in History from UBC, an MA in Historical Archaeology from Bristol University, and MA and PhD degrees in Archaeology from Stanford University.

Exploring Cities' Illuminations and Night-Time Concerns to Improve the Quality of Urban Nocturnal Landscapes

Sylvain Bertin PH.D; **Sebastien Panouille**



ABSTRACT Lighting is a major power consumer in city functioning. Professionals largely focus on reduction of energy consumption and cost through new technologies implantation. However, lighting is not only a matter of cities' budget and energy reduction, the quality of lit environment produced remains essential. The impact that lighting has on the economy and the environment raised awareness about the importance to ameliorate lighting design approaches to illuminate the urban nocturnal landscape. In a competitive context, the emergence of urban lighting management tools demonstrates the need to consider the quality of atmosphere created with lighting. Still, very few studies investigate on the quality of lit environments. New investigations on cities' lighting and the rise of stakeholder's concerns on night-time economy demonstrate the necessity to spend more energy in understanding the urban landscape at night. Many issues emerge from the night: economy, security, accessibility, aging of the population, etc. How to redirect professional energy on this diversity of matters to help creating better lighting projects? This conference highlights the need to redirect professional's energy on the quality of urban nocturnal landscape exploring new ways to respond stakeholder's concerns and to conceive more sustainable projects.



BIOS Sylvain Bertin is a researcher in Environmental Design. As Director in Research and Development at Ombrages, he develops new research on lighting to improve the quality of urban environments at night. Since 2017, he is a Board Member of the Montreal section of the Illuminating Engineering Society.

Sebastien Panouille is an NCQLP certified Lighting Designer, one of Ombrages Partners and the director of the Vancouver agency. He started his career in France, working on World Class projects such as Musée du Louvre. These experiences allow him to appreciate the design and phasing process of large scale projects.

Who's Backyard is Required? Finding the space to generate a carbon neutral future

Cole Hendrigan PH.D, BCSLA



ABSTRACT We live well due to abundant energy conveniently delivered at relatively low cost. Our daily and yearly lives would look very different without such a distribution network. Vancouver and BC producing as much clean energy as carbon generated will set a leading example for the energy-intense North American lifestyle. Yet, to achieve this vision questions remain unanswered: Where to produce the energy (electricity) in the landscape that respects views, cultures, and ecosystems while still being economically viable; should the energy be generated via hydro, tidal, solar, or wind; and is the goal to supply an ever increasing per-person use for technology or to encourage a better life with less energy use? The answers to this will lead in the science, the subtleties of facility location, the urban design qualities and in proving the clean energy capacity for a population-scaled grid service. Key are that the designed facilities will be in someone's back-yard, or front-yard, and that the public realm is a place for low-carbon

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transportation. Several scenarios will be mapped, tested and modelled examining the promise, potential and outcomes for BC to deliver a network of energy production and reduction, concomitantly.

BIO Dr. Cole Hendrigan studies, proposes and designs infrastructure for the future improvements of cities. His PhD used numerical modelling and 3d illustrations of the scale of metropolitan development and urban rail investment to payback via land value capture, carbon offsetting, increasing urban agglomeration and the benefits of living in walkable neighbourhoods.

Harnessing Community Energies



Catherine Berris *MBCSLA, FCSLA*

ABSTRACT Each community has its own energies, and our projects can be met with everything ranging from complete disregard to demonstrations at City Hall. This session will draw on a wide range of projects conducted for communities to illustrate what can happen, lessons learned, and tools for meaningful community engagement. Stories will be used to show how tools can be highly successful in some situations and a complete bust in others.

The format of the session will be experiential and interactive. You will meet some new colleagues, experience community engagement tools in action, and provide input on how you find them. This session will explore questions such as: when is it better to use an open house, focus group, or design workshop? what type of survey is effective in different situations? what are some ways to avoid problems in designing community surveys? what are some ways to involve youth? how can we account for the needs of those who are hard to reach? In a fun and lively way, you will learn tools, principles and ideas for community engagement.

BIO Catherine Berris has over 30 years of experience as a landscape architect and planner. For 28 years, she managed Catherine Berris Associates Inc. Since 2013, she has been focusing her energies at Urban Systems. Most of Catherine's projects involve community engagement and she has tales to tell.

the RAINCITY STRATEGY – the City of Vancouver's approach to green infrastructure + sustainable urban rainwater management

Cameron Owen *MBCSLA*; **Jesse Neufeld** *P.ENG*

ABSTRACT Making wise-use of limited energy, water quality and the co-benefits attributable to green infrastructure. We cannot afford to wait to take action and one of green infrastructures strengths is that it begins to yield results the day it's installed.

As the city continues to grow and densify the need to take further action increases. Expanded development means declining absorbent green spaces. At the same time, our climate is changing, leading to very different precipitation and temperature patterns for our growing city in the future. Without purposeful interventions around sustainable urban rainwater management, increased development will create more impermeable surfaces in the built environment and reduce the presence of mature trees and other plants, leading to increased rainwater runoff to our drainage pipes. By linking sustainable urban rainwater management and adaptation planning with land use and infrastructure planning, the City can evolve the way we build the city to restore hydrological pathways, protect our sensitive aquatic ecosystems and valued local waters while helping our city become more resilient to climate change.

BIOS Cameron Owen is the Planning Policy Lead for the City of Vancouver's RAINCITY Strategy – a green infrastructure + sustainable urban rainwater management group. As a Registered Landscape Architect and a Registered Professional Planner with over 18 years of experience working locally, regionally, throughout the US, and internationally. He brings a range of experience to his role with the City of Vancouver, from involvement in complex urban development rezoning, award winning residential and institutional landscapes, to ecological restoration. Cameron has worked extensively as the designer and project manager on his assignments, with expertise in all phases—concept and detailed design, construction, and completion—of projects.

Jesse Neufeld is the Sr. Engineer for the City of Vancouver's RAINCITY Strategy. Jesse is a Professional Engineer with a decade of experience spanning from small town municipal operations to design and asset management for some of Western Canada's largest infrastructure projects. Trained as a Civil Engineer with an environmental specialty Jesse has a strong environmental ethos in the projects. Jesse has a strong GIS and remote sensing background and brings a spatial management approach to his projects.



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What you should know: **Invasive Species and Impacts to Property**

Danielle Toperczer B.Sc



ABSTRACT Realtors, developers and landscape architects – did you know that since 2015 the UK Council of Mortgage Lenders has stated: “The presence of Japanese knotweed or other invasive species might affect the valuation of a property” and lenders have denied mortgages due to the presence of Knotweeds in the UK? As the presence of Japanese knotweed and other invasive species grows throughout BC, we invite you to invest energy in understanding why it is important to be knowledgeable about invasive species such as Knotweed; secondly why you need to understand the risks to you and your clients; and finally gain an understanding of what you need to know, as a realtor, land developer or landscape architect, in order to protect yourselves and your clients. Topics covered include a) the movement and disposal of soil and new recommendations around this to ensure that you are not unknowingly transporting harmful invasive species b) understanding legal implications for the management or lack of management of invasive species on private property c) best practices for dealing with Knotweed on your client’s property. Invest your energy by joining this presentation and enjoy the outcome of invasive-wise projects and more positive transactions for you and your clients.

BIO Danielle Toperczer manages and works on key ISCBC projects including program development and communications. She has a B.Sc. from the University of Alberta, majoring in Land Reclamation. Her work experience is diverse and includes a range of natural resource management projects including hydrology, fisheries, range management and not-for-profits. She is a Professional Agrologist and lives in Vernon, BC.

Cultural Values: The Energy of Intention



Christopher Szymberski BCSLA INTERN

ABSTRACT Cultural values are the lens through which we see the world. They define what we experience and how we relate to the world around us. They determine what we construct and why. As such, the constructed world is saturated in cultural values and symbolic energy. This creates a feedback loop, where the constructed world continually reflects and reinforces the cultural lens that we share and utilize to further construct. Without investigating and shifting these societal roots, we will not successfully alter the current course of the modern world.

This provocative presentation seeks to examine and question the cultural values that we hold. Why do we build what we build? What determines the form and spatial relationship of communities and cities? If we want to build a more sustainable, just, and equitable world; what are the cultural values that we should embody and what new forms and spatial relationships will they likely generate?

BIO Christopher Szymberski Having spent many years as a horticulturalist and arborist, Christopher graduated from UBC with a Master’s in Landscape Architecture in 2016. He is currently a BCSLA Intern working towards licensure.

KEYNOTE

Indigenous Food Sovereignty: The basis of Sustainable Tribal Economies and Energy Plans

Dawn Morrison



BIO Dawn Morrison is of Secwepemc ancestry and is the Founder/Chair of the Working Group on Indigenous Food Sovereignty. Dawn has a background in horticulture, ethno-botany, adult education, and restoration of natural systems, and is an internationally recognized published author. Dawn has consistently organized and held the space over the last 10 years for mobilizing community, regional and international networks for Decolonizing Research and Relationships in projects, activities, and policy discussions relevant to Indigenous food sovereignty. Dawn’s approaches her work by appreciating and inquiring into a critical consciousness that shines a light on the cross cultural interface where Indigenous Food Sovereignty meets the movement to a more sustainable land and food system as a whole.

Some of the projects Dawn is leading includes: Wild Salmon Caravan, Gathering of Indigenous Food Trading and Sharing, Indigenous Food and Farm School Development, and Strengthening Indigenous Food Sovereignty in Canada - Indigenous Learning Circle.

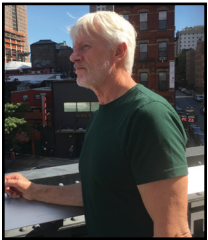
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Energy and Accessibility: Reducing Energy Waste Through Effective Information Technology

Gabriel Chesman OMCP; Alan Main MBCSLA, ISA; Emily Hamilton BCSLA INTERN, ISA



ABSTRACT Spinal Cord Injury BC (SCI BC) is auditing provincial parks, recreation sites and rest stops to catalogue them into a website that highlights any accessibility features for people with disabilities. This presentation proposes to show how universal design is incorporated into such endeavours as the Access BC Project undertaken by SCI BC where landscape architecture and information technology combine to reduce energy waste. For people with disabilities, travelling to some parks might be a waste of energy if the park had no accessible features. This project provides a resource for both designers and users to facilitate travel plans to BC provincial parks. As landscape architects we all benefit from awareness of the wide range of mobility issues we are designing for in public and private spaces.



BIOS Gabriel Chesman is the Digital Communications Coordinator at SCI BC. A recent transplant from the US, Gabriel spent the past six years working as the Social Media Strategist for a news distribution company that focused on Corporate Social Responsibility and Sustainability initiatives. His time in the corporate world provided him the opportunity to hone his writing skills and clarified his desire to move into the non-profit sector.

Alan Main Originally from Edmonton, Alan graduated with a BLA from UBC in 1986. Most of his career was spent as a landscape design-builder in the lower mainland, with one year in the office of Dave Easton and four years with Paul Sangha. He has spent the last eleven years with the City of Surrey where he is a landscape architect in the Planning and Development Department, focused on the retention and protection of trees on development sites.



Emily Hamilton In 2002, Emily obtained a BS in plant science from Cornell University and went on to graduate from the University of Illinois with her MLA in 2007. She then moved to Miami to work for a small landscape firm, Savino Miller Design Studio, where she was exposed to park, plaza, condo, and residential design before moving back to her home town in Massachusetts. Back home, she worked as a Consulting Urban Forester for various northeastern cities. In 2014, she was able to combine her love of landscape architecture and arboriculture into a single profession when she was hired to work for the Trees & Landscape Section at the City of Surrey. She now has her permanent residency and is currently the BCSLA Intern and Associate Representative.

What to Keep and For How Long? Records Retention in Landscape Architecture

Erik Lees MBCSLA, FCSLA, RPP; Cailin Bartlett

ABSTRACT Where did all this paper come from? How can I find anything around here? Every professional struggles to not be buried under the volume of drafts, contracts, as built and other records. This presentation shares the methodologies, experiences, and outcomes of designing and implementing a functions-based records retention system from a bootstrap-to-mature landscape architecture firm. The goal is to discuss the difficulties involved in managing and appraising landscape architectural records as well as the benefits of having a records schedule/policy in place. This information will be conveyed through a case study of work done at LEES+Associates during the last year. It will include the systems design process, the challenges and successes experienced during implementation, and what the final system looks like. The session will conclude with lessons learned and the next steps.



After attending this session, the hope is that professionals attending will have at least the framework to start evaluating their own records environment. Knowledge disseminated will include basic information theory to guide how records should be created and captured, the legal - and cultural- based arguments for preserving their records, and the primary records management issues that the profession will need to face in the coming years.

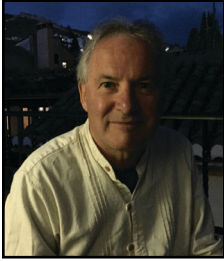
BIOS Erik Lees is a Fellow of the CSLA and a Registered Professional Planner. He has served on design panels, numerous advisory committees associated with parks, urban design and cemeteries. In practice since 1998 he has come to understand the benefits of systematic records management – and the perils of “just keeping everything.”



Cailin Bartlett will graduate in Spring, 2019 with a dual Masters of Library Science / Masters of Archival Studies from UBC. Her focus is on developing records management systems for architectural and engineering firms to ensure that the records they need are enduring and can be found when they go looking.

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Design with Time



Cameron Murray *MBCSLA*

ABSTRACT Just as there is no history without geography; there is no space without time. Kevin Lynch enquired 'What Time is this Place?'. Pierre Dansereau explored the balance between 'Inscape and Landscape' in his Massey Lecture. And Ian McHarg replied with 'Design with Nature'.

Aspects of time include past history, the present moment and plans for the future. Based upon our appreciation of natural and cultural history, we are engaged in the present, to prepare imaginary designs for the future. Seasonal changes, moons, festivals and sun angles may be marked in calendars, journals, notations, maps and images.

Landscape architect Lawrence Halprin mapped designs based upon rhythms and lines, following the choreography of dancer Ann Halprin. And to design with time is to adapt the patterns and rhythms of our days to match our levels of energy. "Do more with less", as Buckminster Fuller would say.

BIO Cameron Murray studied Fine Art in Montreal, Environmental Studies in Waterloo and Landscape Architecture at Guelph. Apprenticeships followed, with Sharp & Diamond, Durante & Partners and other landscape architecture firms in Vancouver. Topographics originated in Kitsilano in 1998 and has been based on Gabriola Island for the past twelve years.

KEYNOTE

Telling Stories with Light: How coloured lighting energizes people, communicates culture and enhances place making in urban settings

Robin Rosebrugh *B.SC., CID, CSBA, LEED® GA*

ABSTRACT Our cities and their public spaces influence our behaviors and how we spend our time and energy outside. Historically the focus of urban design has been on the daylight hours but as we move to a more global economy with people working across time zones, we need to consider how people use the city during the entire 24 hours of the day. During night hours, our eyes are drawn towards light. The Empire State building was one of the first modern buildings to act as a message board to the city, changing colors on various occasions. What other ways can we use the light to communicate? For wayfinding and place making? With a citywide lighting plan, certain landmarks would be lit more than others to act as beacons for wayfinding. A lighting hierarchy could communicate the use of buildings as well. Let's explore how urban spaces are encouraging social interactions, enhancing cultural experiences, and inspiring play after dark.



BIO Robin Rosebrugh has worked as a designer in commercial and residential interior, exhibit and wayfinding design since 2011. Prior to the BCIT Interior Design program, she completed her Bachelor in Science at UBC. Her love of problem solving and design also led her to become a Sustainable Building Advisor through CaGBC.

FILM The Sun on Top of the House



Directed By Farhan Umedaly, VoVo Productions 2018

Synopsis The indigenous Haida have lived on Haida Gwaii since time began. With European exploration came the demise of their people and indigenous ways of life along with the island's dependency on diesel fuel for electricity.

This is the powerful story of how the Haida have taken back control of their sacred lands and become leaders in renewable energy with the unveiling of 'The Sun on Top of the House' - British Columbia's largest community solar project.

BIO Farhan Umedaly is an award-winning filmmaker with a background in neurobiology, renewable energy and as a multi-instrumentalist music producer with over 19 years of experience in digital audio and video production. Farhan started VoVo Productions in 2009, with the original premise of producing videos and digital media to help explain complex subjects through turnkey video productions using his diverse background. Behind VoVo Productions' work is Farhan's vision to help create positive change in the world. His filmography includes: 'A Last Stand for Lelu' and 'Best F(r)iends', a Hollywood feature film which will debut in theatres this coming spring.

MOBILE TOURS

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TOUR #1: Urban Sketching

Cameron Murray *MBCSLA*; **Lindsay Clement** *MBCSLA*

Bring your favourite drawing materials and join Cameron and Lindsay on this urban sketching excursion in False Creek. Beginning with a 10-15 minute gathering and introduction, the group will walk to a nearby destination for a 60 minute urban sketching experience.

Lindsay Clement is Landscape Architect based in Kelowna. She loves to sketch, draw, paint, and use graphic markers. She was introduced to the practice of urban sketching at a BCSLA conference years ago and embraced it, taking a small sketchbook on her travels to experience the places and record the memories in her own way.



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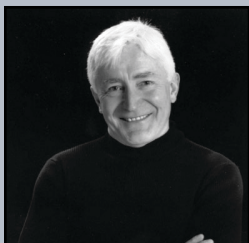
TOUR #2: Birding at Lost Lagoon

Greg Hart *B.Sc, M.Ed*; **Alan Duncan** *MBCSLA, FCSLA, MCIP*

Vancouver is coming alive with birds in 2018 as it welcomes the prestigious 27th International Ornithological Congress. In conjunction with the congress, the city will host the first ever Vancouver International Bird Festival, a celebration of birds in all their dimensions. Join Greg Hart, Urban Wildlife Programs Coordinator with the Stanley Park Ecology Society and Alan Duncan, Environmental Planner with the Vancouver Park Board, for a bird-focussed tour in Stanley Park highlighting the great blue heron colony and aspects of implementation of the Vancouver Bird Strategy including habitat enhancement, collision deterrents and building educational and environmental awareness.



Greg Hart is the Urban Wildlife Programs Coordinator at Stanley Park Ecology Society. Greg comes to SPES with a diverse background in education, biology and ecology. With a Bachelor's degree in Biology and English as well as a Master's in Education, Greg has worked as a biology teacher for a number of years in both conventional settings as well as in outdoor programs. He has experience with a variety of ecological field work including: bird monitoring, sea turtle conservation, and most recently, as a grizzly bear guide/naturalist. A passionate naturalist and teacher, Greg is excited to be a member of the SPES team and help Vancouverites live harmoniously with urban wildlife. Outside the office, you might find him hiking with his wife and two dogs, bird watching, or photographing nature.



Alan Duncan graduated with a Bachelor of Landscape Architecture from the University of Guelph in 1973 and a Master of Arts in Planning from the University of British Columbia in 1990. He was accepted as a member of the AALA and CSLA in 1982, the CIP in 1992, and the BCSLA in 1994.

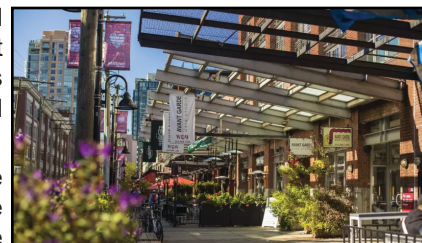
Alan has worked across Canada - PEI Department of Environment and Tourism, Ontario Hydro, the Planning Departments of Etobicoke and Edmonton, and the Groupe d'intervention urbaine de Montréal - as well as working for a design/build firm in Nice in 1984. After a stint producing parades, public celebrations and public art policy, he joined the City of Vancouver Planning Department in 1989. He coordinated such landscape policy and public realm projects as regulation of private property trees and the Ridgeway Greenway, both which received CSLA recognition for innovation, and the Wellness Walkways project which received a PIBC award for excellence in planning. He was appointed first Environmental Planner in the Vancouver Park Board in 2004.

TOUR #3: Yaletown Accessibility Tour

Gabriel Chesman *OMCP*

See Vancouver through new eyes. Gabe Chesman will take you on a wheeling-tour around Yaletown highlighting the intricacies of commuting from a wheelchair's-eye-view. We get complacent in thinking about our travel experiences from our perspective only, but it's important as designers to remember that everyone's experience is unique and that we need to provide for the many in order to be universally accessible.

This tour will take you in and out of many of your favourite Yaletown destinations and be somewhat spontaneous to the whims of the audience. Bring an empty growler if you have one as that could be a brief destination, but we will be sure to have you back to the home base on time!



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MOBILE TOURS (cont.)

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TOUR #4: Hinge Park Tour

Margot Long MBCSLA, AALA, FCSLA, ASLA, LEED® GA

Just west of the new Olympic Village at Southeast False Creek sits Hinge Park, a park designed for children's play and fun as well as serving as a natural environment for the newly-built community. The park will also serve as the outdoor play area for the future elementary school to the north and east. The objectives of the park were varied, including creating play and park opportunities for the new residents, providing an ecological environment in a dense urban setting, reflecting the sustainable neighbourhood goals, and becoming the cleansing system for the adjacent streets' contaminated storm water.

Hinge Park has become a great place for parents and children to discover, play, learn, and engage with the community. The wetland weaves through the park, cleansing the stormwater as well as providing an important water feature. The dirty stormwater enters at the outfall near the street edge, then circulates through a series of terraces planted with wetland plants that digest the contaminants in the water.



Margot Long holds a degree in Landscape Architecture from the University of Oregon, and has over thirty-five years of experience in private practice, specializing in community and public realm projects throughout British Columbia, North America, and Asia. She is well known for her project leadership skills and knowledge of community participation processes, as well as her sustainable landscape planning and design abilities. She provides unique, innovative design solutions which building physical, historical, and cultural context of a given site. Margot's portfolio includes numerous transit and waterfront developments, neighbourhood planning, and urban design projects that have been brought from the planning and vision stages through to implementation.

Margot has worked on some of the most sustainable projects and communities in North America and has the ability to look at the big picture through a public benefit lens.

EXHIBITS

Drawing on the Land 2e:

Contemporary Landscape Architecture Exhibition

generously supported by **LANDSCAPE FORMS**

The BCSLA will proudly launch the Drawing on the Land: 2nd Edition at the Conference. The focus of this year's exhibition was the use of sketches as vehicles of expression, tools for communication, and a means of working through design problems. Following a terrific response to the Call for Submission the jurors reviewed and selected the drawings for the exhibition based on evocativeness, expression, and interpretability. The exhibition will travel to various locations throughout BC. Watch for it in your region.

Be sure to take time to visit the Drawing on the Land Exhibit just outside the Burrard Room.

UBC SALA Exhibition

Students from the UBC Landscape Architecture Program have worked hard to hone their skills. Be sure to stop by and see just a small sampling of the fabulous work created by emerging professionals that will be on display throughout the Conference. Some of the students will be present during the breaks to talk about their projects so be sure to visit the UBC SALA Student Exhibition outside the Granville Room.

THANK YOU & GIVING BACK

The BC Society of Landscape Architects is pleased to recognize the contributions of the many participating presenters at the 2018 BCSLA Conference while giving back to the community. In lieu of traditional presenter gifts, we will make a donation on their collective behalf to a non-profit organization that reflects the values of the BCSLA and our Members. This year we are pleased to report that the Stanley Park Ecology Society has been selected by the BCSLA Conference Program team.

STANLEY PARK



The Stanley Park Ecology Society promotes awareness of and respect for the natural world and plays a leadership role in the stewardship of Stanley Park through collaborative initiatives in education, research and conservation.

TRADESHOW FLOORPLAN

- O1. Suttle Recreation Inc.
- O2. DeepRoot Canada Corp.
- O3. Habitat Systems Inc.
- O4. Frances Andrew Site Furnishings Ltd. // Kate Holland Landscape Accessories Ltd.
- O5. Green Theory Design Inc.
- O6. Habitat Systems Inc.
- O7. Playworks Inc.
- O8. Equiparc
- O9. Henderson Recreation Equipment Ltd.

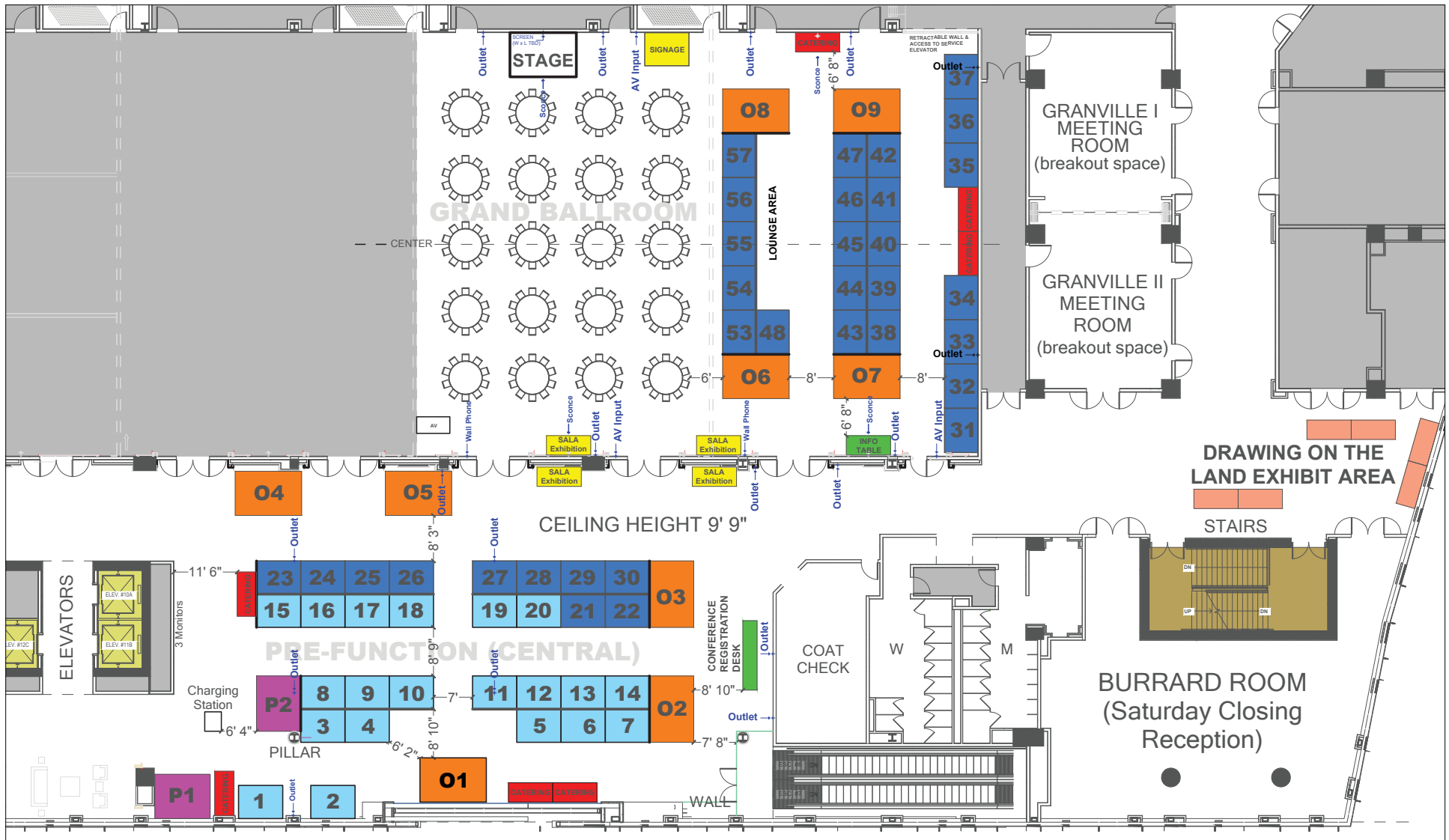
- P1. Swing Time Distributors Ltd.
- P2. Bison Innovative Products

- 1. Marathon Surfaces Inc.
- 2. Western Turf Farms Ltd.
- 3.- 4. LifeSpace Gardens
- 5. WMW Reprographics Ltd.
- 6. & 13. Forms+Surfaces
- 7. Denbow
- 8. BC Big Maple Books Ltd.
- 9.- 11. Suttle Recreation Inc.
- 12. BCSLA Continuing Education Committee
- 14. Denbow
- 15. SLS Group Industries Inc.
- 18. Softline Solutions
- 19. Wishbone Site Furnishings
- 22. Basalite Concrete Product

- 23.- 24. Abbotsford Concrete Products Ltd.
- 25. Goric Playgrounds
- 26. Advanced Building Technologies Inc.
- 27. Mutual Materials
- 28. Canadian Recreation Solutions
- 29. Maglin Site Furniture Inc.
- 30. Sudden Fun Recreation Equipment Ltd.
- 31.- 32. Wishbone Site Furnishings
- 33. Northwest Landscape and Stone Supply
- 34.- 35. CDm2 Lightworks
- 36. Barkman Concrete Ltd.
- 37. Citygreen Urban Landscape Solutions
- 38. Playworks Inc.
- 39. RecTec Industries Inc.

- 40. Corix Water Products
- 41. Synthetic Turf International Canada
- 42. ACO Systems Ltd.
- 43. Playworks Inc.
- 44. Cyclone Lighting
- 45.-46. BCSLA P&PR Committee
- 47. Canada Outdoor Kitchens
- 48. & 53. Habitat Systems Inc.
- 54. Park Street Solutions
- 55. Earthscape Play
- 56. Tournesol Siteworks
- 57. Expocrete an Oldcastle Company

Charging Station sponsored by Symmetry Lighting



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