



**XXIX International Symposium
on Lepton Photon Interactions
at High Energies 2019**

TORONTO, CANADA

**Hiro Tanaka, William Trischuk
University of Toronto**



TORONTO

Updates to LP19 Organisation

- Hiro Tanaka has joined me as co-chair of the LOC
 - Leader in T2K and strong participant in Super/Hyper-K + SuperCDMS
 - Member of the ICFA neutrino panel
 - Extensive experience organising collaboration meetings + topical workshops
 - Most recently NUInt-2017 in Toronto (100 participants)
- Contract in place with Venue West Conference Services
 - Meeting organisers with experience at ICHEP98 (Vancouver)
 - Good connections to Tourism Toronto and local area meeting facilities
 - Will perform delegate and meeting venue management
 - Integrate their registration software with INDICO
- Begun the process of securing sponsorship
 - Tourism Toronto made initial contribution
 - UofT/Physics dept. will contribute
 - Approach major labs, IUPAP, other traditional sponsors in the coming year
 - VenueWest helping with prospectus for non-traditional sponsors



Dates for LP2019 in Toronto

- Considered dates in July and August
 - Exclude overlap with other major meetings/events in Toronto
 - Avoid the very end of August (some North American schools return to class)
 - Considered conflicts with other major meetings in summer 2019
 - EPSHEP19 in Ghent Belgium (July 10-17, 2019)
 - DPF2019 – host will only be identified in 2018
 - ATLAS & CMS collaboration meetings...
- Currently planning for week of **August 12-17, 2019**
 - Have one offer for a meeting venue
 - Working with Venue West to secure a second quote
 - Still possible that we'd consider one week later (5% CL?)
- Fix date in coming months and advertise widely



Attendance building

- Survey current and recent LP participants
 - Find out what they like/don't like about LP format
- Survey non-LP participants
 - Find out why they don't come
 - Apart from the obvious answer – they'll come if invited to speak
- Work with young-physicists organisations
 - Include a panel to get/give their input on the future of our field
- Get date/posters/website out early
 - Certainly by ICHEP18 next summer
- Encourage sponsors and IOC members to advertise in lead up
- Encourage satellite meetings pre/post LP
 - SNOLAB
 - Perimeter Institute



Meeting Format

1. Stick with traditional program:

- 4.5 days of talks
 - One excursion day: Wednesday (C11, ICFA, LC meetings etc.)
- Provides about 30 hours of talks (60 speakers at 25+5 min)
- Will include posters
 - Up to two independent sessions (40-60 additional participants?)
 - Provide best posters with 5 minute presentations (4-6 additional speakers?)
 - I'm told the 'chance to speak' doesn't change supervisor support for attendance

1. Alternative:

- Devote $\frac{1}{2}$ a day to “young scientist talks” (or two $\frac{1}{4}$ days)
 - A la Moriond YSF – 5 minute presentations
 - 4 hours == 40 talks
- 40 short talks + 55 plenary speakers
- Not many additional speakers but could lower the average age of the participants quite a bit



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1. Another Alternative:

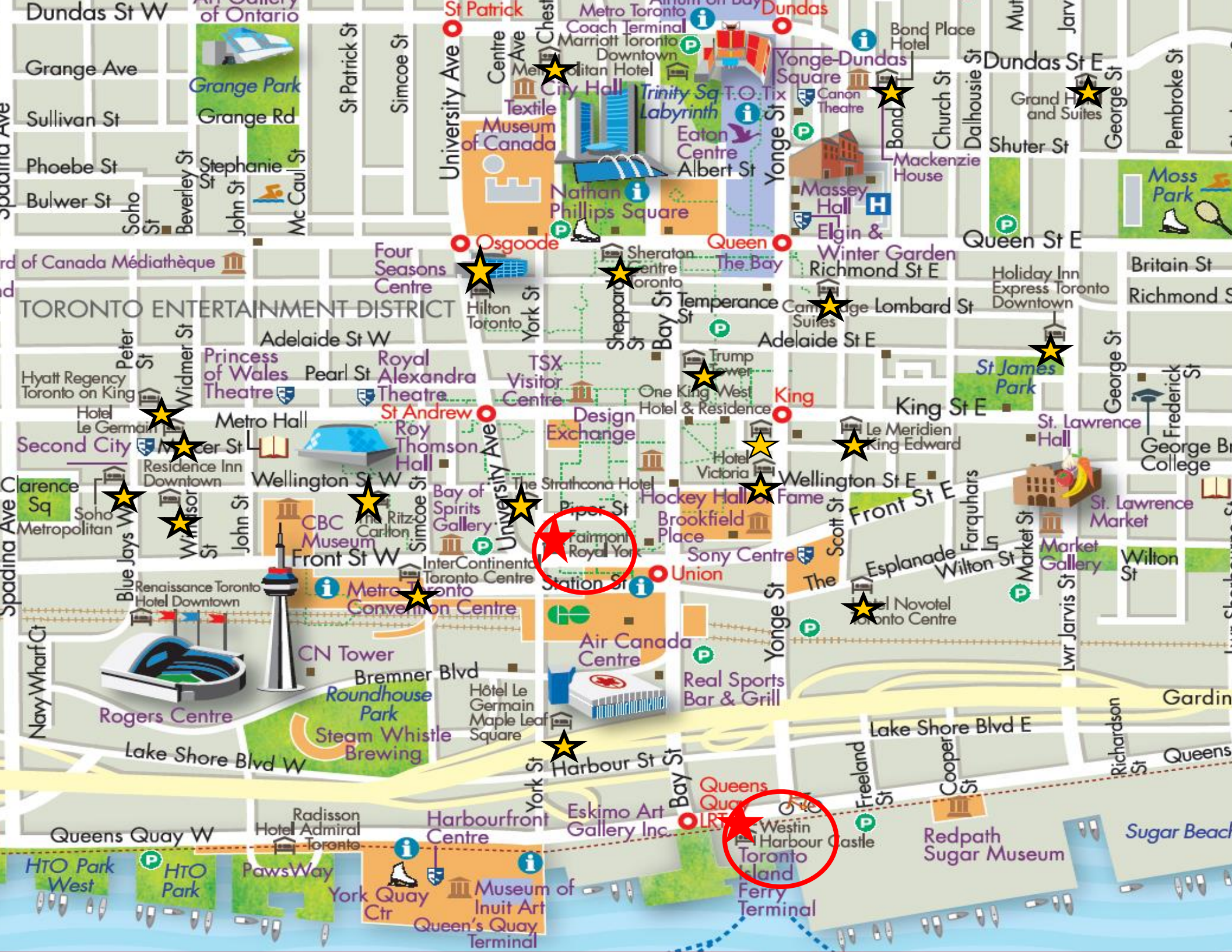
- Open with half-day of plenary (as usual)
- Devote 1.5 days to 3 parallel tracks
- 10 hours of talks * 3 tracks * 15 minute pres. = 120 (+40 plenary) speakers
- Tracks curated and introduced by conveners in initial plenary session
 - Low/high energy colliders (expt/theory)
 - Particle Astrophysics and Neutrinos (expt/theory)
 - Heavy Ions+QCD, Formal theory, hot topic in 2019 ???



Miscellanea

- Targeting an attendance of 300
 - Meeting venue will have seating for 400-500
 - Can be split in two or three smaller rooms (if attendance or parallel sessions warrant)
 - Lunches available in area surrounding meeting site (not part of registration)
 - Welcome reception Monday evening
 - Excursions will be offered for Wednesday
 - Public lecture on Thursday evening
 - Conference dinner on Friday
- Venue West and LOC working to merge logistics with INDICO
 - Register meeting with Canadian Immigration authorities
 - Provide visa invitations for those who need them
 - Offer accommodation support for junior speakers and some delegates
 - Dorm-style accommodations for those who request it





PROPOSED CONGRESS VENUE



THE WESTIN HARBOUR CASTLE

- In the heart of Toronto with picturesque view of Lake Ontario
- 977 guest rooms and the only resort-like hotel with lake view from every guest room (CA\$250 single of double:2016)
- Largest hotel ballroom in Canada - 2,322 square metres, can accommodate groups of 10 to 2000
- 25 minutes from airport via direct train-link (\$12 one way)
- Adjacent to downtown PATH system – 16 miles of underground city
- 24 hour fitness centre, pool, tennis court and Spa

Budget Accommodations available

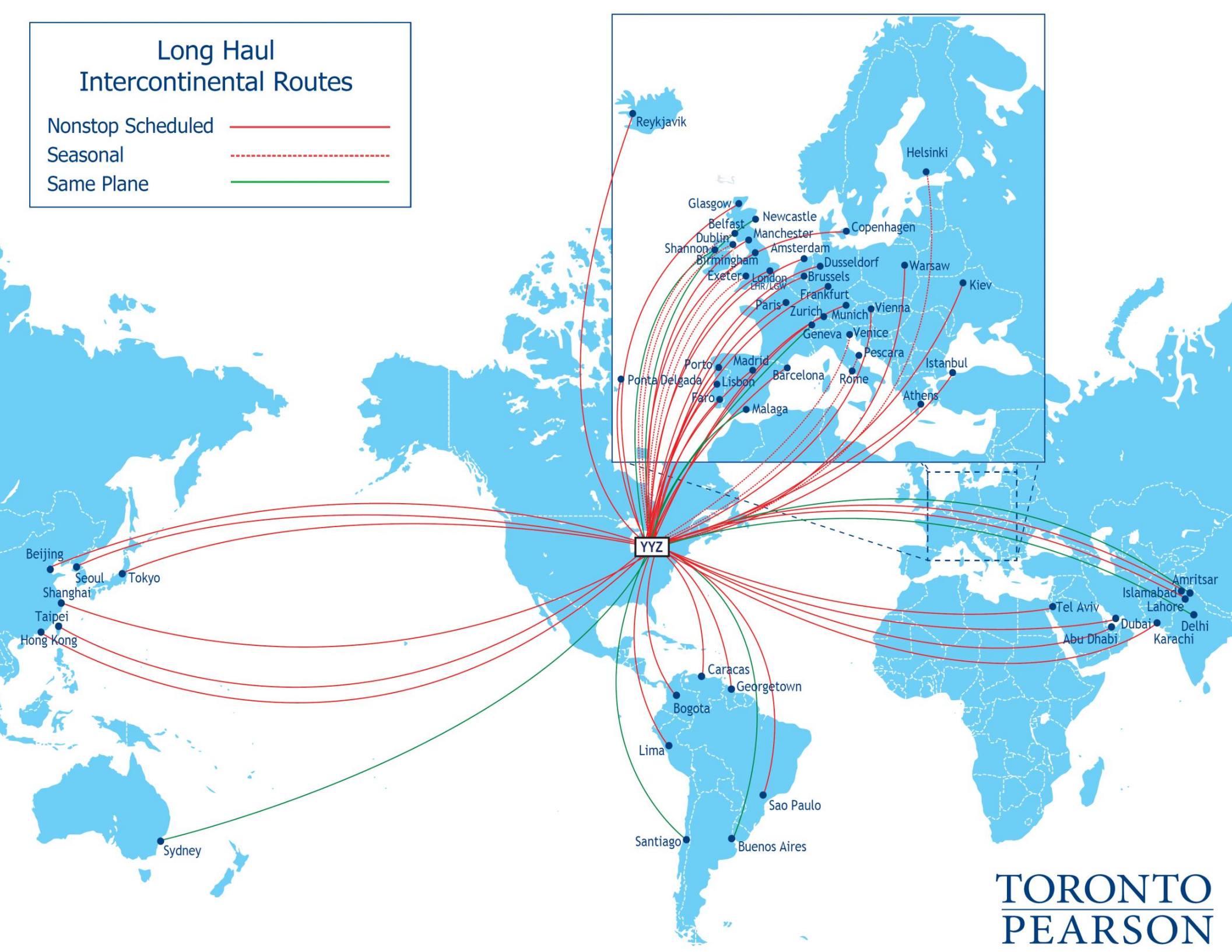
- During summer months (July/August) University dorms are available for short-term rental

2016 Rate	Single (CAD)	Double (CAD)	Single (EUR)	Double (EUR)
UofT -- Victoria	69	93	45	61
UofT – New College	47	70	31	46
UofT – Chesnut Conf. Cntr	119	119	78	78
Ryerson Summer residences	55	62	36	40
Tartu College residences	70		46	
Campus Cooperative res.	55	65	36	42

- These are 1-3 km from proposed location
 - 10-15 minutes on public tranist or a nice walk...

Long Haul Intercontinental Routes

- Nonstop Scheduled ————
- Seasonal - - - - -
- Same Plane ————





WE LOOK FORWARD TO
HOSTING A GREAT MEETING IN
TORONTO IN 2019



BACKUP





Ideas to increase attendance at LP

- More inclusive name than “Lepton/Photon”?
 - More comprehensive coverage of all of HEP?
 - We don’t call ICHEP “The Rochester Conference” any more...
- Satellite workshops
 - Perimeter Institute – theory/phenomenology workshop
 - SNOLAB – annual physics advisory committee in ‘summer’
- Poster session for junior investigators
 - Reserve a session for 5-minute talks for 5(?) best posters
- Try to minimise *competition*
 - With EPS and DPF meetings
 - Request large collaborations not hold *outside* meetings in summer

Canadian Particle Physics

- Active in HEP for 40+ years
 - Hosted ICHEP98 at TRIUMF in Vancouver
- 200 senior/permanent HEP researchers
 - Half within one hour's flight of Toronto
- A broad particle physics program
 - Past: ARGUS, BaBar, CDF/D0, OPAL, SNO, ZEUS
 - Present: ATLAS, Belle-II, SNOLab, T2K, ILC/SRF
 - SNOLAB 3 hours drive from Toronto – Satellite workshop?
- Active theory community
 - Perimeter Institute is one hour drive from Toronto
 - Host a workshop/school in conjunction with LP?

Toronto and Particle Physics

- University of Toronto has 70k students
 - Strong physics department (50 faculty, 200 students)
 - 12 HEP faculty and 35 other researchers
 - Department and University support our bid
- Have played leading roles in ARGUS, ZEUS, CDF
- Currently active on ATLAS, T2K (HyperK, SuperCDMS)
 - Close ties to TRIUMF and SNOLAB

Experience Hosting Meetings

- Have hosted a wide range of meetings/conferences
 - ZEUS Collaboration meeting 2000 (200 participants)
 - Strings05 (500 participants)
 - ATLAS North America workshop 2005 (130 participants)
 - Canadian Associations of Physicists 2008 (450 participants)
 - Hadron Collider Physics 2010 (180 participants)
 - PIXEL2014 (120 participants)
 - NUINT 2017 (80 participants)
- Some on campus others in hotel/convention centres
- Fewer issues with foreign visitors than U.S.
- Excellent flight connections from around the world

Why Toronto?

1. Dynamic, multicultural, urban centre
2. A strong tradition of HEP in Toronto and Canada
3. Easily accessible with direct flights from six continents
4. Excellent/proven conference facilities
5. Wide array of attractions for participants and accompaniants



Toronto Highlights

- The Greater Toronto Area is home to 5.5 million people
- Diverse, progressive, multicultural – over 100 cultures live & work in harmony
- Safe & secure international destination
- A truly green city with a commitment to the future and sustainability
- 2nd major convention city in North America based on the 2014 ICCA City Ranking
- Excellent and proven convention infrastructure



TORONTO
GREEN

TORONTO AT A GLANCE



ONE OF THE **TOP 5**
INTERNATIONAL DESTINATIONS
FOR CORPORATE EVENTS

— Executive PA Magazine



ONE OF 2013's
**BEST PLACES
TO GO** — Condé Nast Traveler

ONE OF THE
TOP
TRAVEL DESTINATIONS

— Travel + Leisure Magazine (2012)

ONE OF TOP THREE
**MOST IMPRESSIVE
METROS
IN THE WORLD**

(PricewaterhouseCoopers Cities of Opportunity 2012)

230 HOTELS
40,000 HOTEL ROOMS



OVER **302,864** SQ. M. OF
MEETING AND EXHIBITION SPACE

HIGHLIGHTS

- ➔ 4th largest city in North America
- ➔ Voted 2nd most reputable city in the world - 2013 *The Reputation Institute*
- ➔ Toronto is ideally situated and well-connected as a global hub of business and commerce
- ➔ Finance, Life Sciences, and Information and Communications Technology (ICT) lead Toronto's booming multi-sectorial economy, along with Creative Industries, Cleantech and Green Energy, Business and Professional Services, Manufacturing and Materials, Food and Beverage, Film and Television
- ➔ Headquartered in Toronto, Canada's banking system, has been ranked as the most sound in the world six years in a row - *World Economic Forum*
- ➔ #2 largest financial services sector in North America
- ➔ Home to North America's largest combined life sciences sector and one of the top 10 bio-medical sectors in the world

(Sources: Invest Toronto, City of Toronto and Toronto Financial Services Alliance)

TORONTO – A Dynamic City

- Largest annual **Caribana Festival** outside of the Caribbean
- The Largest **Pride Event** in North America and the 3rd largest event in the world – World Pride 2014
- The annual **Toronto International Film Festival** (TIFF) rivals Cannes in welcoming patrons from industry and the public
- Unparalleled selection of venues, dining, entertainment, arts, fashion, attractions, events and architecture



CN TOWER'S EDGEWALK

ATTRACTIONS

Thrill seekers can experience the Edge Walk or explore the Hockey Hall of Fame, home of the Stanley Cup

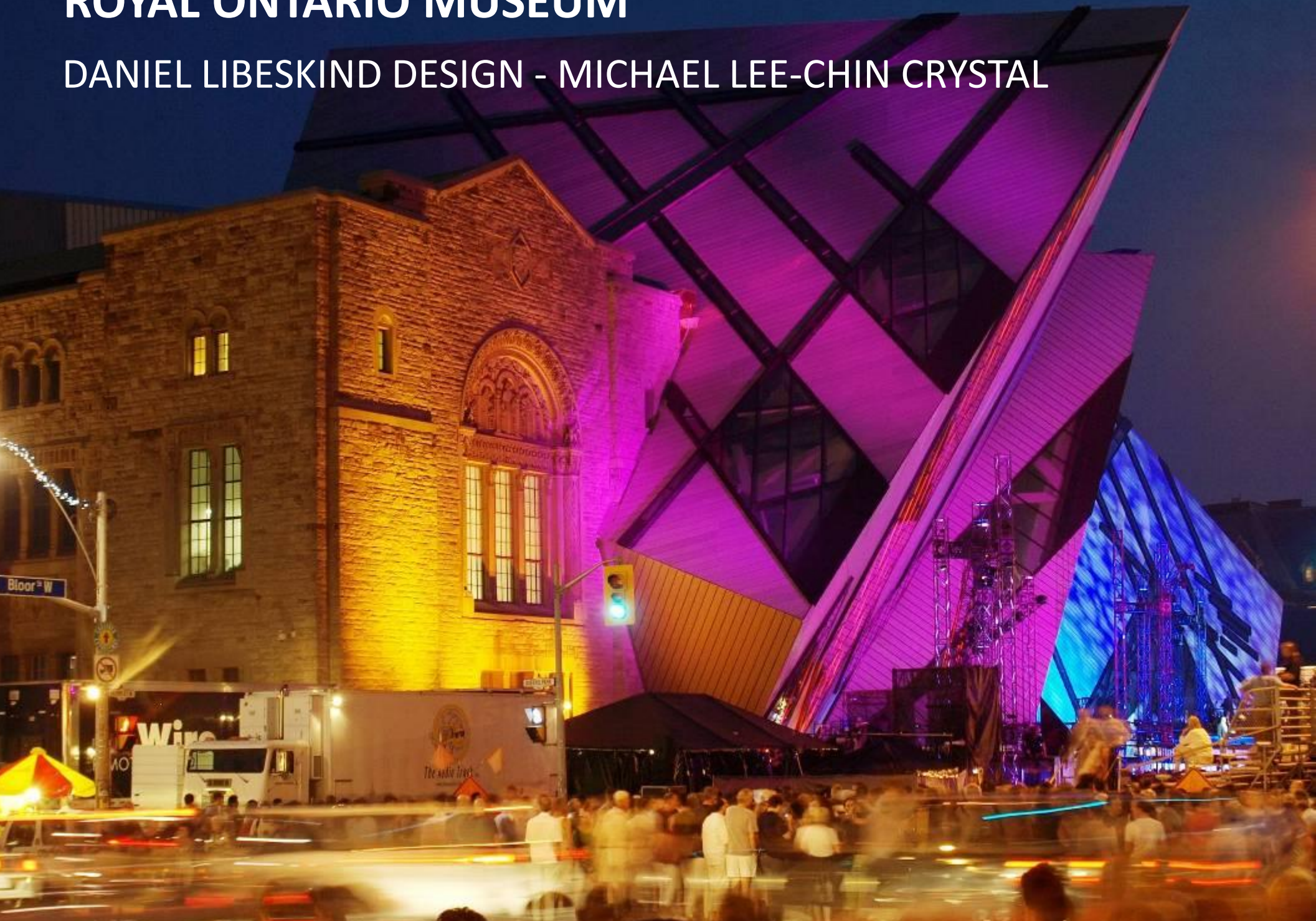


REAL SPORTS BAR



ROYAL ONTARIO MUSEUM

DANIEL LIBESKIND DESIGN - MICHAEL LEE-CHIN CRYSTAL





DAY TRIPS Just 90 minute drive from Toronto are fabulous regions including: **Niagara Falls**, a renowned Niagara wine region - Home of Ontario's liquid gold – the “Ice Wine” and a Butterfly Conservatory

- **Muskoka Lake Region & Algonquin Parklands**



NEW – AIRPORT RAIL LINK TO DOWNTOWN



RUNS EVERY 15 MINUTES
AND CONNECTS
PASSENGERS FROM
PEARSON INTERNATIONAL
AIRPORT TO UNION STATION
DOWNTOWN IN JUST 25
MINUTES

UP Union
Pearson
Express



EASY INTERNATIONAL ACCESS



66+
AIRLINES

1,082 DAILY FLIGHTS TO AND FROM DESTINATIONS AROUND THE WORLD

- A **90-minute** (or less) flight for over 100 million Americans
- **30-minute** (or less) transfer to downtown from Toronto Pearson International Airport
- Toronto's downtown Billy Bishop Toronto City Airport offers flights to and from 18 North American destinations including Chicago, Washington and New York



9,000+
RESTAURANTS



A diverse and cosmopolitan city, over 180 languages and dialects are spoken here.



FABULOUS
ENTERTAINMENT
AND NIGHTLIFE



200+ 
ATTRACTIONS

INCLUDING RIPLEY'S AQUARIUM OF CANADA AND THE CN TOWER'S EDGEWALK (COVER SHOT)

HOME TO
TIFF

The top film festival in North America and the leading public film festival in the world.



TORONTO INTERNATIONAL FILM FESTIVAL

Spectacular day trips to
NIAGARA FALLS and
award-winning wine regions



**THRILLING
SPORTS**



 One of the world's
BEST SHOPPING DESTINATIONS

360 REVOLVING RESTAURANT AT THE CN TOWER

