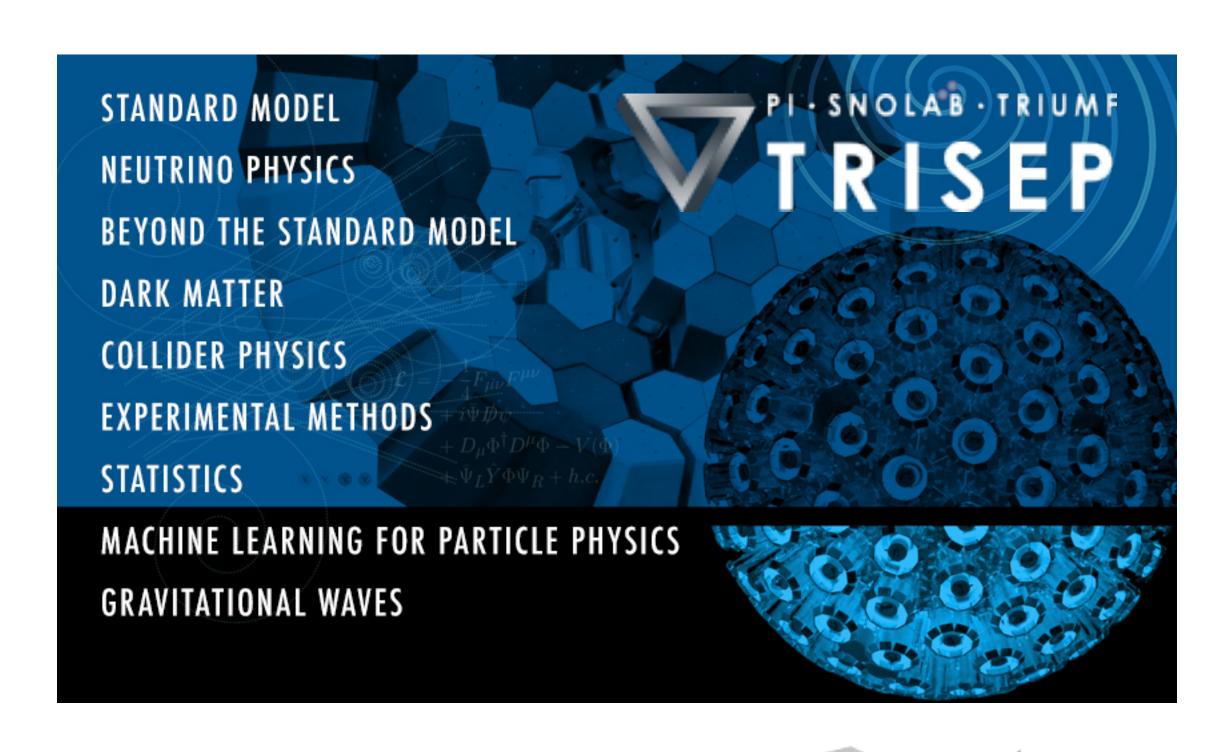


TRISEP 2019

David Morrissey

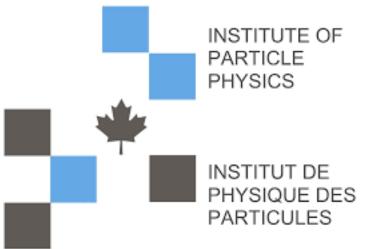
July 22, 2019













TRISEP Dates

- Lectures at TRIUMF, July 22 August 2, 2019
- Excursions:
 - July 24, 1-7pm, hike or gondola up Grouse Grind
 - July 31, 1-7pm, sea kayaking in Deep Cove
- Public Lecture:
 - July 22, 7:30pm, Katherine Freese, "The Dark Side of the Universe"
- Banquet:
 - August 1, 7:00pm, Pacific Institute of the Culinary Arts, Granville Island

TRISEP Logistics

- Transportation: #41 bus from UBC Bus Loop to TRIUMF
 - bus schedules and maps at: https://www.translink.ca/
- Food:
 - snacks and lunch at the school
 - Monday + Tuesday: order lunch at the cafeteria and put it on the TRISEP tab
 - Wednesday: bagged sandwich lunch to take on bus to excursion
 - Thursday + Friday: catered directly here
 - dinners are up to you Save-On groceries up the streets, several restaurants, ...

Public Lecture

- Katherine Freese (UT Austin),
 "The Dark Side of the Universe"
- Telus World of Science,
 7:30pm (doors at 6:45pm)
- front row seats reserved for TRISEP participants

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The atoms that make up the known universe constitute only 5% of all matter and energy in the cosmos. What remains is a recipe of 25% dark matter and 70% dark energy: nonluminous components whose nature remains a mystery.

Join Dr. Katherine Freese, author of *The Cosmic Cocktail: Three Parts Dark Matter,* and Professor of Physics at the University of Texas, Austin—as she recounts the hunt for dark matter, from the discoveries of scientists such as Fritz Zwicky and Vera Rubin, who identified the first pieces of evidence for dark matter, to the deluge of data today from satellites, underground laboratories, and the Large Hadron Collider.



Dr. Katherine Freese

JULY 22, 2019
Doors open at 6:45PM
Lecture begins at 7:30PM
Q&A to follow

TELUS
WORLD OF SCIENCE
1455 Quebec Street
Vancouver, BC

Presented by the Tri-institute Summer School on Elementar Particles (TRISEP)

Reserve your free tickets:

https://darksideoftheuniverse.eventbrite.ca











Getting to Telus World of Science

Telus World of Science = "Science World"



Getting to Science World

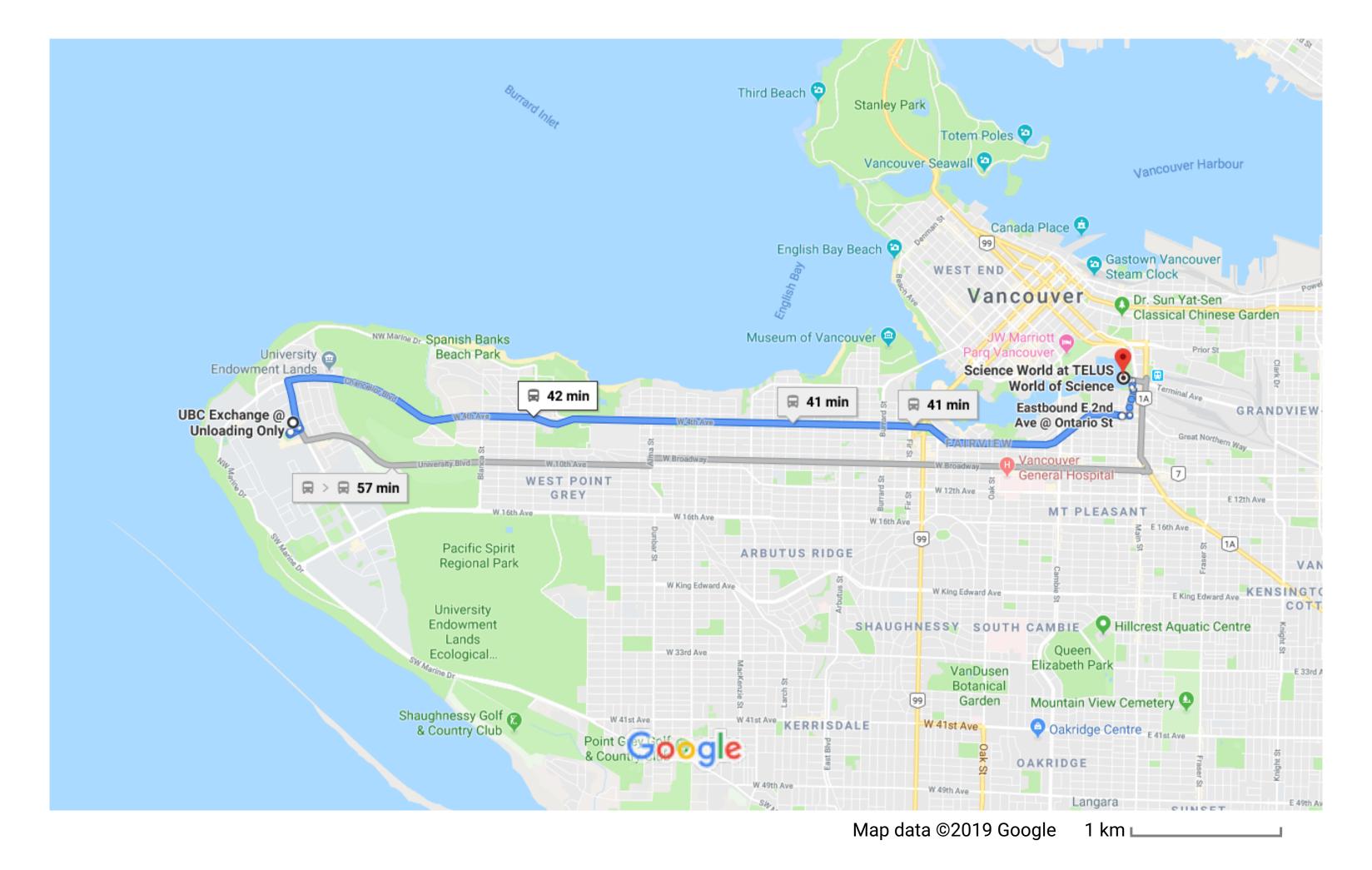
- Science World, 1455 Québec Street, Vancouver BC
- #84 bus from UBC bus loop to Ontario Street
- get off and walk two blocks north to Science World
- walk right in!
- bring your badge for identification
- arrange to go together as a group on the bus?

Getting to Science World



UBC Exchange @ Unloading Only to Science World at TELUS World of Science

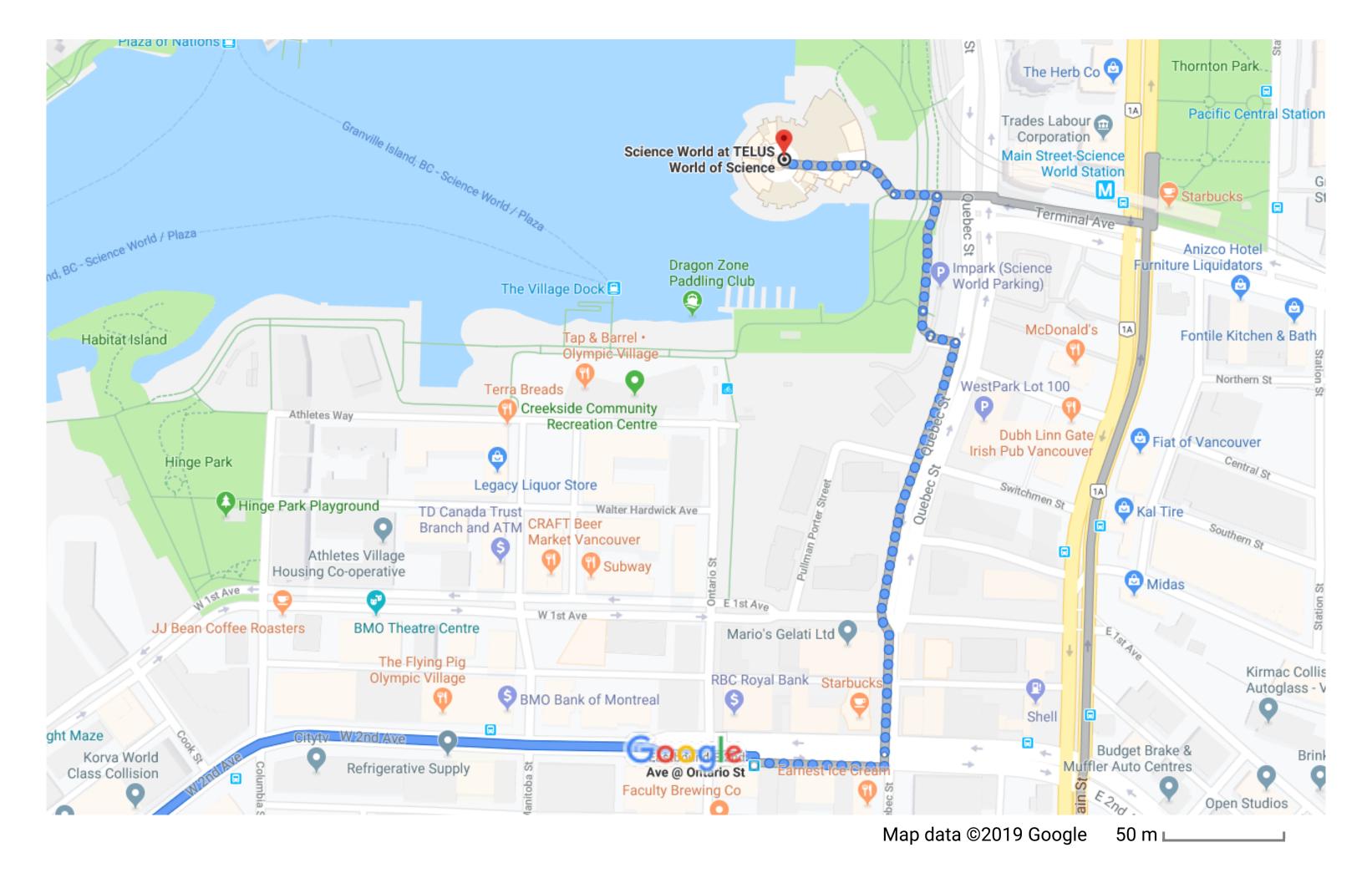
6:04 PM - 6:46 PM (42 min)



Getting to Science World

Google Maps

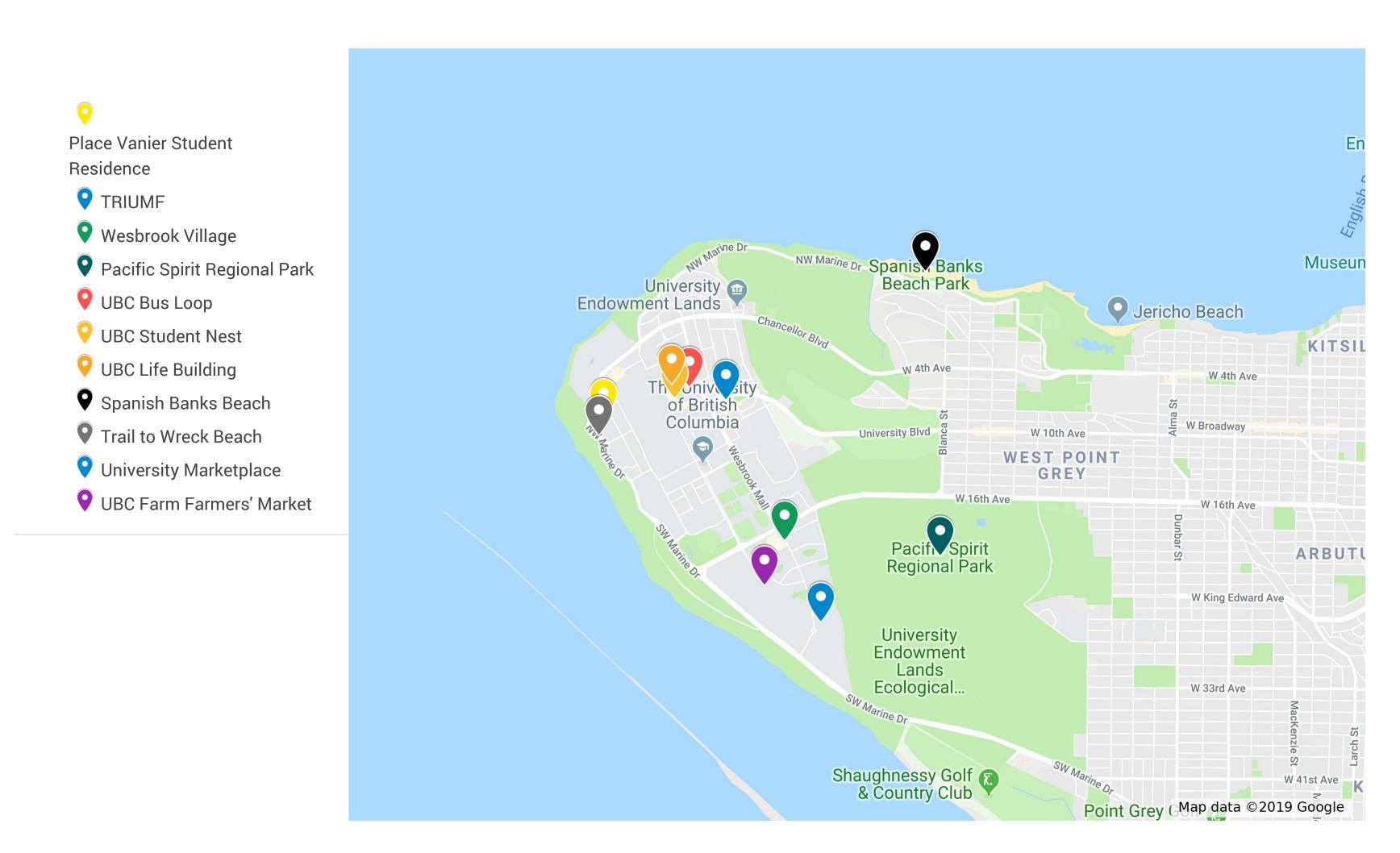
UBC Exchange @ Unloading Only to 6:04 PM - 6:46 PM (42 min) Science World at TELUS World of Science



Stuff around TRIUMF/UBC

- Wesbrook Village Save-On Foods grocery store, drug store, restaurants, ...
- food at UBC Student Union Building/Nest by bus loop
- Pacific Spirit Park forest trails to the east of campus
- Spanish Banks nice beach due north of campus, follow Marine Drive down
- Wreck Beach clothing optional beach down the stairs to the west of campus
- UBC farm very nice farmer's market on Saturday morning
- 99 B-line bus is convenient for going into town

Stuff around TRIUMF/UBC



Weekend Activities

- Stanley Park: https://vancouver.ca/parks-recreation-culture/stanley-park.aspx
- Vancouver Aquarium: https://www.vanaqua.org/
- Granville Island: https://granvilleisland.com/
- Museum of Anthropology: https://moa.ubc.ca/
- Hikes: https://www.vancouvertrails.com/
- Fireworks: https://hondacelebrationoflight.com/
 (July 27 and 31, August 3; over water west of downtown, watch from Kits beach,...)
- Interesting areas: Commercial Drive, Main Street, Kitsilano, Chinatown, Davie Village, ...



Thank you Merci

www.triumf.ca

%TRIUMF

Follow us @TRIUMFLab

