



Intelligent Transportation Systems Society of Canada
Société des systèmes de transport intelligents du Canada



Complex Challenges

Charles Auger, Stationnement de Montréal



Intelligent Transportation Systems Society of Canada
Société des systèmes de transport intelligents du Canada

COMPLEX CHALLENGES

The Need for Parking Integration

Curbs have become even more valuable real estate in dense urban ecosystems

- 1. New modes of transportation have increased demand for on-street spaces. How can we create space for everyone?**
 - E.g. bike lanes, car and bike sharing (docking stations), EV charging, etc.
 - Multi-occupant transportation options are an important component of urban mobility

ITS STI





Intelligent Transportation Systems Society of Canada
Société des systèmes de transport intelligents du Canada

2. There are other alternatives to consider for parking spaces downtown :

- Unoccupied off-street parking (downtown - private parkades)
- How can we help drivers get to the available spaces?
- Existing curbside regulations need to be enhanced to reduce congestion



Intelligent Transportation Systems Society of Canada
Société des systèmes de transport intelligents du Canada

3. There are no municipal parkades in downtown Montréal and fees for private off-street parking are approximately 5 times as high:

- Drivers circle looking for cheaper options, creating rush hour congestion
- On-street parking fees haven't gone up since 2007
- Should we increase on-street parking fees to reduce the number of cars on the road?





Intelligent Transportation Systems Society of Canada
Société des systèmes de transport intelligents du Canada

4. Major road infrastructure repairs reducing the amount of parking spaces:

- Lack of communication to drivers (not aware of roadblocks)
- How can we change single-occupant vehicle habits?
- Should we encourage carpooling as a viable option?



Intelligent Transportation Systems Society of Canada
Société des systèmes de transport intelligents du Canada

5. EV charging units are unoccupied more than anticipated (on-street):

- Should they be relocated to off-street spaces?
- Security issues
- Conflict with other drivers looking for spaces



Intelligent Transportation Systems Society of Canada
Société des systèmes de transport intelligents du Canada

6. Field enforcement officers must ensure that parking rules are correctly applied:

- Not only for parking but urban transportation in general
- Technology must be enhanced
- Unpaid fees still too high





Intelligent Transportation Systems Society of Canada
Société des systèmes de transport intelligents du Canada

7. Reliance on vendors to provide the best solutions in parking-specific emerging technology:

- Sensors, predictive algorithms, cameras, etc.
- Collection of urban mobility data to develop a better understanding of curb use
- What are the best emerging mobility technologies available to manage streets?

Charles Auger, FCPA, FCMA, ASC
General Manager

