Automated parking garage

Parking garage with an automated parking system that automatically moves cars to the available parking space somewhere in the garage.

Underground parking garage

Parking facility with one or more levels below the surface and none above ground.

Bicycle parking station

Building or structure designed for use as a bicycle parking facility.

Parking lot

Parking area on a single groundfloor level that is usually located outdoor.

Parking garage

A single level or multilevel parking building to park at.

Parking facility

exit rate : string
fill rate : string
number of carsharing spaces : integer
number of occupied parking spaces : integer
number of parking spaces for bicycles : integer
number of parking spaces for disabled persons : integer
number of parking spaces for motorbikes : integer
number of vacant parking spaces : integer
number of women's parking spaces : integer
queuing time : string
rate of occupancy : string
total capacity : integer

Any facility or area assigned for parking vehicles. A parking facility can provide one or more parking spaces.

Parking space

A parking space is a location that is designated for parking a vehicle. A parking space has a certain size, is sometimes marked and can be located at roadside or inside a parking facility. Depending on the location of the parking space, there can be regulations regarding the time allowed to park and a fee paid to use the parking space.

Real time capacity

current value : integer
date (dct:) : datetime

Real-time capacity of a parking facility or parking space.

Parking facility connections

Transport connections available at the parking facility (e.g. Park & Ride).

Parking facility feature

Features of the parking facility (e.g. parking for disabled people).

Entrance

Entrance of a parking facility where vehicles can enter the parking facility.

Exit

Exit of a parking facility where vehicles can leave the parking facility.

Charging point

energy source : string

Civic structure that supplies electric energy for the recharging of electric vehicles.

Arrangement pattern

Pattern how parking spaces are arranged in a parking facility or at roadside.

Capacity

maximum value : integer

Capacity of a parking facility or a parking space.

Parking usage type

A type of special purpose a parking space is designated for, like women's parking spaces.

Charger

brand : string
current in A : decimal
current type : string
model : string
power in kW : decimal
three-phased current available : boolean
voltage in V : decimal

Component of a charging point used to charge electric vehicles. A charging point can have one or more chargers.

Civic structure (s:)

ID : string
additional information : string
name : string
picture : string
vechicle height limit : decimal
vehicle length limit : decimal
vehicle width limit : decimal

A public structure, such as a town hall or concert hall, parking facility or charging point.

Plug

cable available : boolean
current in A : decimal
current type : string
power in kW : decimal
three-phased current available : boolean
voltage in V : decimal

Component of a charger to connect an electric vehicle. There are different plug types used for charging electric vehicles.

Place (s:)

latitude (geo:) : string
longitude (geo:) : string

Entities that have a somewhat fixed, physical extension.

Payment method (s:)

A payment method is a standardized procedure for transferring the monetary amount for a purchase. Payment methods are characterized by the legal and technical structures used, and by the organization or group carrying out the transaction.

Civic structure status

Status information of a civic structure.

Opening hours specification (s:)

A structured value providing information about the opening hours of a place or a certain service inside a place.

Price specification (s:)

free of charge : boolean
unspecified charge : boolean

A structured value representing a price or price range for an item.

Access condition

A condition that has to be fullfilled to get access to a civic structure.

Plug type

Type of a plug that is used to connect electric vehicles.

Postal address (s:)

The mailing address.

Time specification

overnight : boolean
time end value : float
time start value : float
time unit : string

Specific time a price specification is due for.

Action

Action that is done.

Vehicle (s:)

A vehicle is a device that is designed or used to transport people or cargo over land, water, air, or through space.

User group

A group of users having a common characteristic.

BusinessEntity (gr:)

Relationship labels: entrance, parking space, has charging point, exit, connected to, feature, has charging point, arrangement pattern, has capacity, charger, accepted payment method (s:), civic structure status, opening hours specification (s:), price, access, parking usage type, intended for vehicle, intended for user group, plug, operated by / owned by, address (s:), due for time, valid for vehicle, action, restricted to vehicle type, valid for user group, restricted to user group, plug type, customer of / employee of

Ontology: MobiVoc: Open Mobility Vocabulary
Preferred prefix: mv
Preferred URI: http://schema.mobivoc.org/
Version: 0.6.0