# ” Managing of a Multilevel Parking Lot using IPv6”

## Problem with multilevel parking lot now

To find a parking space in a crowded multilevel parking facility now, the driver must be lurking around while driving. Even if not speeding, this is very dangerous. The possibility that a accident resulting in injury or death could happen is very high here.

## To solve this problem

If a parking space at a multilevel parking lot can be found without the driver lurking around, the number of accidents can be decreased. So, I thought of attaching each curb at the parking space with a sensor using IPv6. And the open space can be checked at the entrance of the parking lot, and reach there without the driver lurking around.

## How to use IPv6

1) Each curb at the parking space is attached with a sensor by IPv6.
   First, each curb is attached with a sensor so the position and floor of the place open can be known.

2) The open space can be known by the screen placed at the entrance of the parking lot, using a sensor.

## Another problem

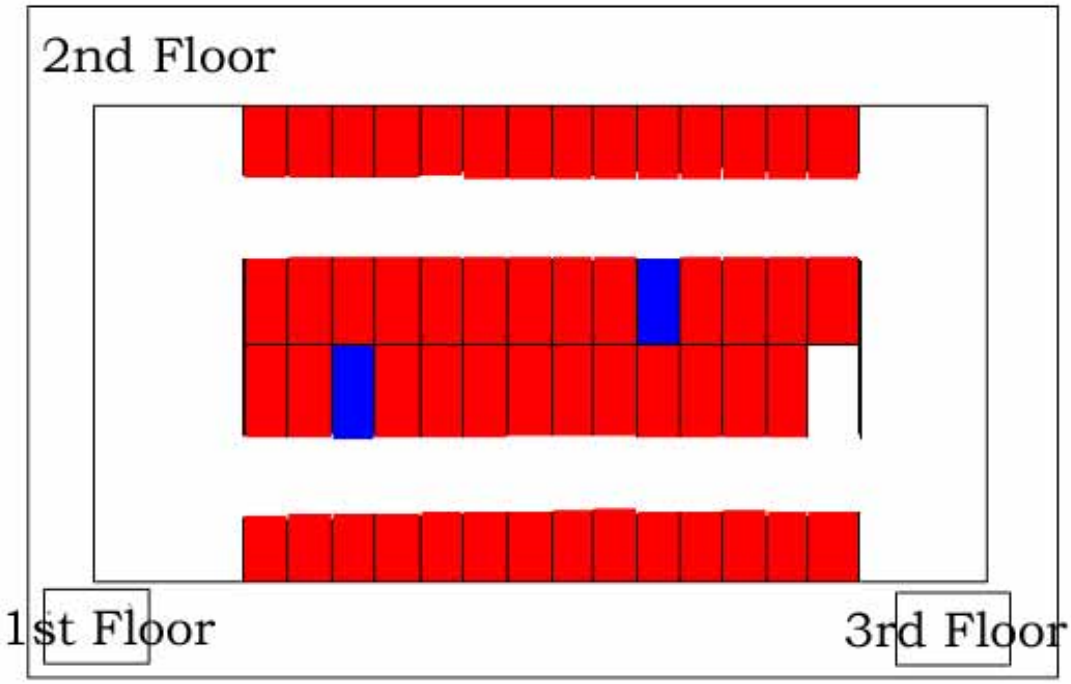
If a car ahead of you parks at the place you were think of parking, this system will be useless.

## To solve this problem

When deciding where to park at the entrance of the parking lot, a simple reservation is made, so the next person knows that the place is taken.

By doing so, the driver does not have to lurk around when a person ahead of you parks at the spot he/she was thinking of parking.

## Image of Screen at Parking Entrance




R e d- - -The sensor shows that there is a car.

B l u e- - -It is open now, but the person ahead of you is trying to park there.

White- - -The space is open.

The screen is a touch panel, and reservation can be done by pressing the screen, and the status of the 3rd, 4th, and all floors can be checked

By making this facility, accidents at parking lots will decrease.