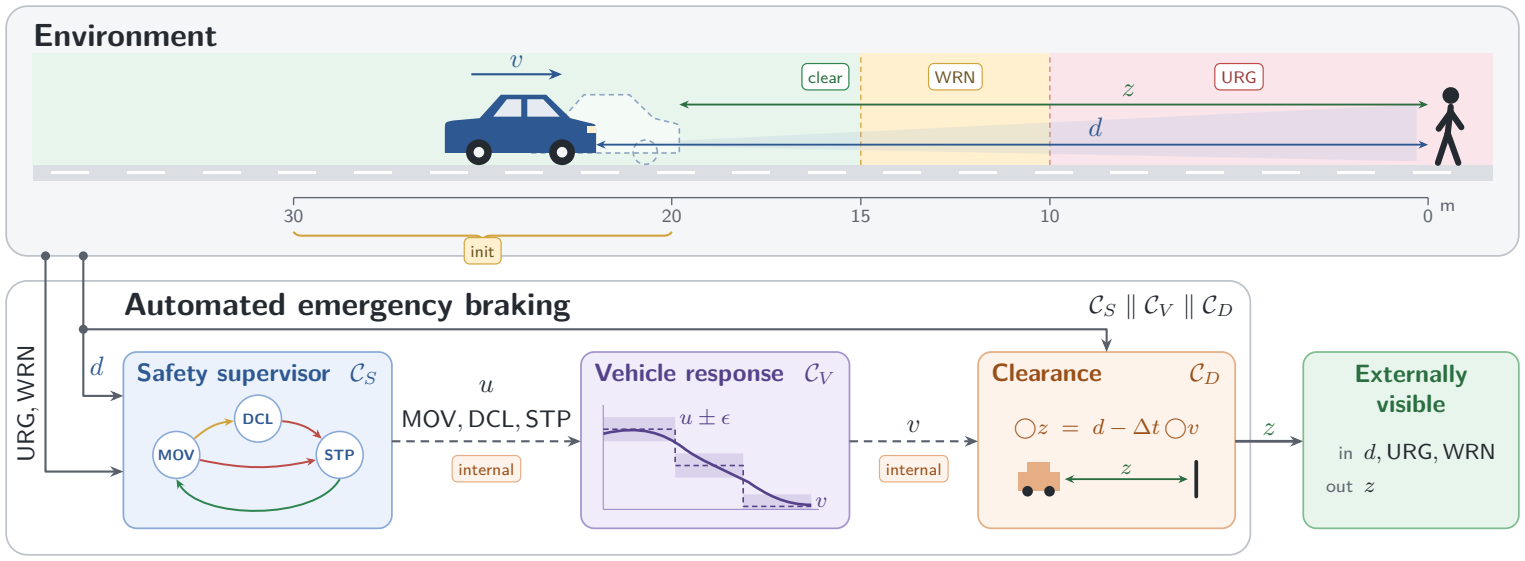

Environment
v
clear
WRN
URG
z
d
30
20
15
10
0
m
init
Automated emergency braking
$\mathcal{C}_S \parallel \mathcal{C}_V \parallel \mathcal{C}_D$
URG, WRN
d
Safety supervisor $\mathcal{C}_S$
DCL
MOV
STP
u
MOV, DCL, STP
internal
Vehicle response $\mathcal{C}_V$
$u \pm \epsilon$
v
v
internal
Clearance $\mathcal{C}_D$
$\bigcirc z = d - \Delta t \bigcirc v$
z
z
Externally visible
in d, URG, WRN
out z