



# **ACPE IWG #09**

## **Pedestrian application concern**

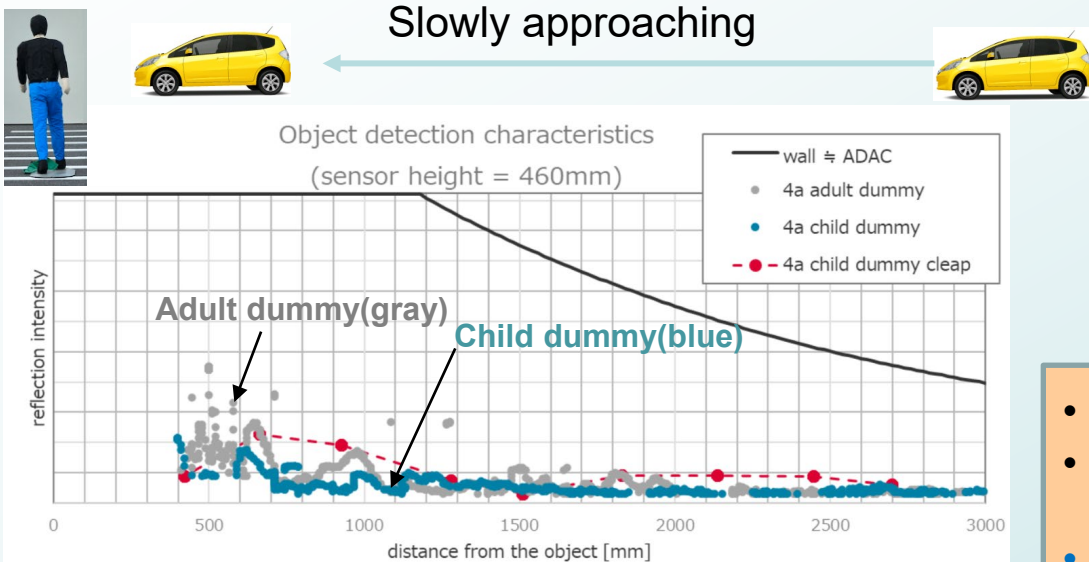


# ACPE operation to "Child Pedestrian" concern



- ACPE is control function, so we need to detect stably and control robustly.
- Current many ACPE system is based on "Sonar" technology, some are using "Camera" technology.

## <Sonar>



### ■ If we consider the current technology

- Detection by sonar sensor
- Child reflection intensity is weak
- It is difficult to achieve stable detection while driving.



- Currently, there are no ACPE systems to apply "Child pedestrian"
- → New system development is necessary (ex. Sonar & Camera fusion, or new sensor adding, etc)
- Development time is required to improve recognition performance and control algorithms
- → Consider carefully "Transitional provisions"

## <Camera>



- Detection by Camera
- Depending on the mounting position, it may be difficult to recognize at close range.



**Thank you**