## Interaction challenges

Engagement module



 INTERACTION STARTS AT INADEQUATE MOMENT

Because it's **user-driven** and not device-driven

 DEVICE BEHAVIOR NOT ADAPTED TO USER REACTIONS

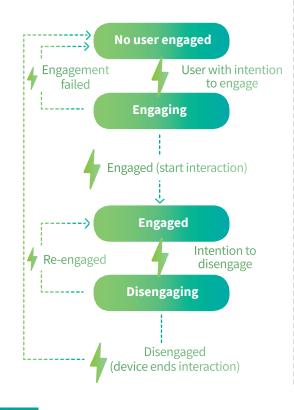
Because user reaction is not detected

 LINEAR CONVERSATIONAL TURN-TAKING

Because the device doesn't know when to let the user speak

 INTERACTION ENDS AT INADEQUATE MOMENT

Because disengagement of user is not detected



 INTERACTION BEGINS AT RIGHT TIME

Because it's now device-driven

 DEVICE BEHAVIOR IS PROACTIVE

Because user reaction is evaluated

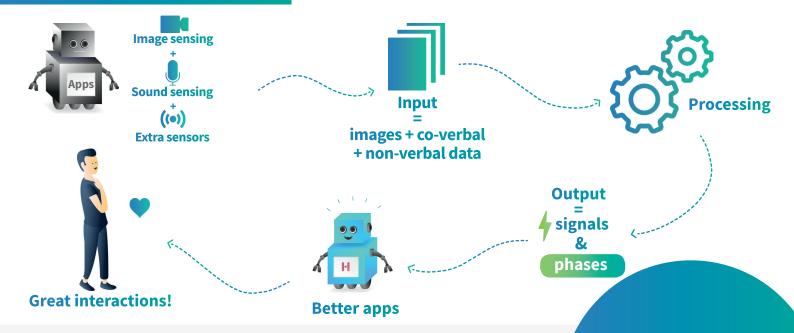
 DYNAMIC CONVERSATIONAL TURN-TAKING

Because the device knows when the user has intention to speak

 INTERACTION ENDS AT RIGHT TIME

Because user disengagement is detected

#### How does it work?



#### Hoomano Japan

Masayuki Ihara japan@hoomano.com www.hoomano.com/jp/contact.jp





Ask us to watch a demo!



# Our goal is to create endearing autonomous personalities for interactive robots or devices

European leader for apps on Pepper

**Very clear understanding of end-user's needs** in retail, offices ,tourism, transports, elderly care, hospitality...

### More than a million interactions

on social robots and interactive devices already powered by our technology



WE ARE LOOKING FOR
PARTNERSHIPS WITH
INTERACTIVE DEVICES
MANUFACTURERS



