

"Interfaces de usuario naturales (NUIs) como desafíos en la Innovación Social"

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<https://www.youtube.com/watch?v=fzDft0DZRUw>

Heal the world – 6.33 min



Agenda

- I. Ejemplos en el mundo
- II. Desafíos 2016
- III. Nuestro compromiso

<https://www.youtube.com/watch?v=i3Up4k1K4QE>

1.21 min

Transforming Computer Interaction with Natural User Interfaces

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Head Gestures



Neutral head position



Interested position



Disapproval position

Neutral Head Position - The position taken by the person who has a neutral attitude about what he is hearing. The head usually remains still and may occasionally give small nods.

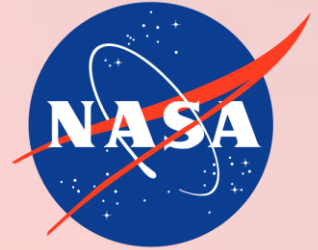
Interested Head Position - When the head tilts to one side it shows that interest has developed.

Disapproval Head Position - When the head is down, it signals that the attitude is negative and even judgmental. Critical evaluation clusters are normally made with the head down and, unless you can get the person's head up or tilted, you may have a communication problem

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Natural User Interfaces

National Aeronautics and Space Administration
Glenn Research Center



Natural User Interfaces (NUIs) are software and hardware systems that allow a user to operate computing devices through intuitive actions related to natural everyday human behavior in the real world.

NUIs typically use touch, gestures, force feedback (haptics), and voice as input mechanisms.



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<https://www.youtube.com/watch?v=ENtTfOUWA9I>
2.52min
Sharing Information Through Social Interactions.

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Natural User Interfaces

Innovación social



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BrainAble 2012 (Short version) - BNCI for disabled people

4.44 min

<https://www.youtube.com/watch?v=Xsz0APmLzdQ>

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Natural User Interfaces

3.37 min

<https://www.youtube.com/watch?v=9rV5Z8tRgJQ>

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6

Touchless gesture control - enabling revolutionary natural user interfaces

2.04 min

<https://www.youtube.com/watch?v=vyysUm2O8Nk>

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Myo - Gesture Control from @thalmic Labs Concept Video

1.24 min

https://www.youtube.com/watch?v=oWu9TFJjHaM&list=PLW9YJJITxegEFE8b-RQQ_JVTELU17-CZw&index=2

8

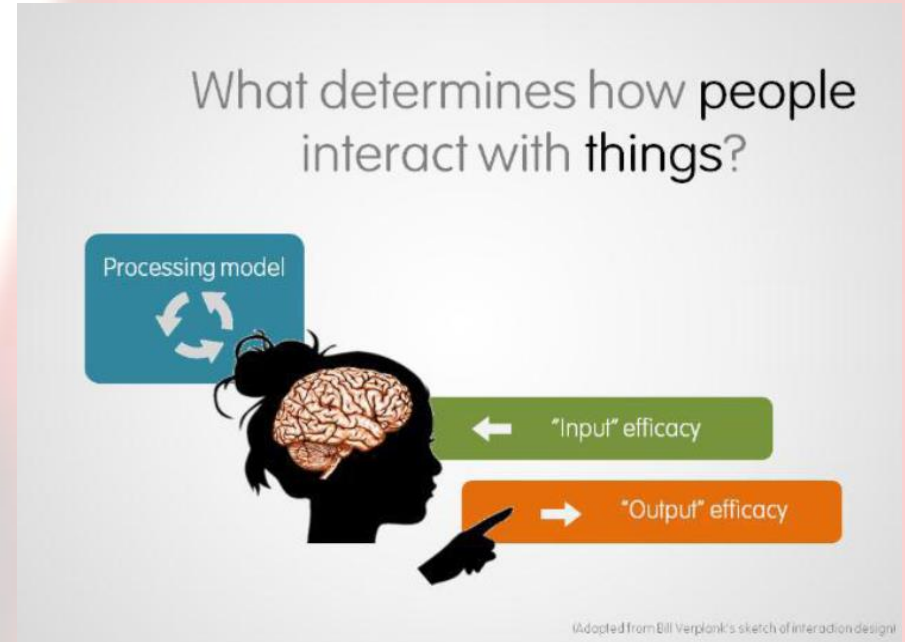
In This Mall, Holograms Of Disabled People Appear If You Try To Park In Their Space

1.35

<https://www.youtube.com/watch?v=DUfcNNv3g68>

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No a la discriminación (2.44min)

<https://www.youtube.com/watch?v=IwnEp5BH4VQ>

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La historia de Cody: Ejemplo de Superación (3.50min)

<https://www.youtube.com/watch?v=jpsyD-jsd5w>

- **Gesture-based interaction modalities**

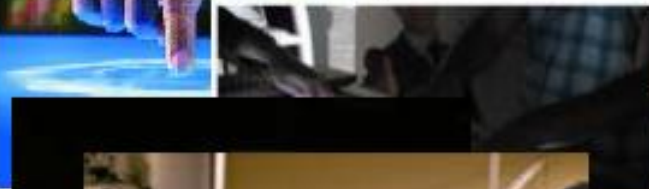
- « **Touch-based interaction** »: tactile interaction

(Wu et Balakrishnan 2003)



- « **Touch-based interaction** »: *tangible* interaction

(Seo et Lee 2013)



- « **Touchless interaction** »: distant hand gesture

(O'Hara et al 2012)



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<https://www.youtube.com/watch?v=BWf-eARnf6U>

MUCHAS
GRACIAS



**It's up to us
Make the world a better place**

**Si quieres hacer esto:
Escribir a: abernuya@usmp.pe.**