# FaceBots: Shared Memories and Shared Friends towards meaningful long-term HRI

http://irml.uaeu.ac.ae

## Interactive Robots and Media Lab, UAEU

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## Our Vision

Long term Human-Robot Relationships:

How can we make them become interesting and sustainable?

*What is missing? ->*

Well, many things...
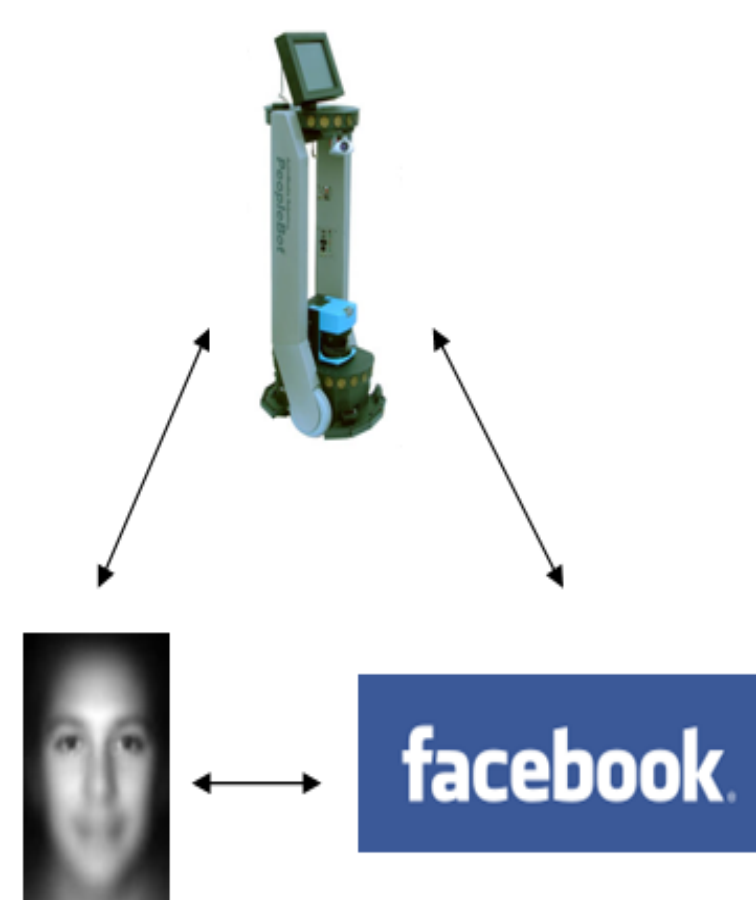But the main elements might be:

**I. Shared memories**

**II. A social circle**

Robots utilizing and publishing social information in Facebook

Personal info
Who your friends are
What you did recently
What shared memories do we have
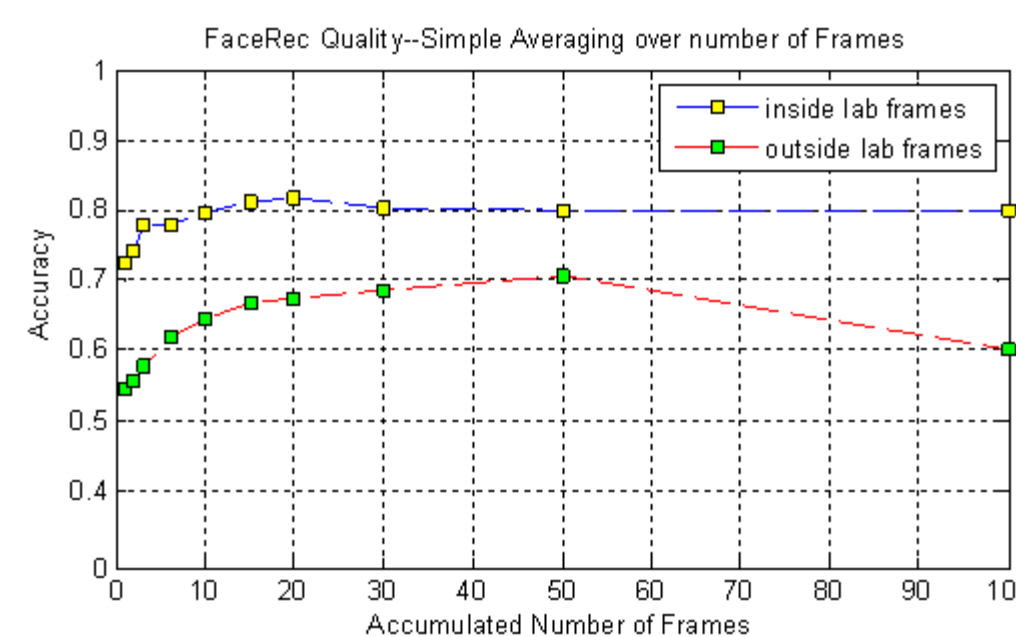Robots have their own page, too...
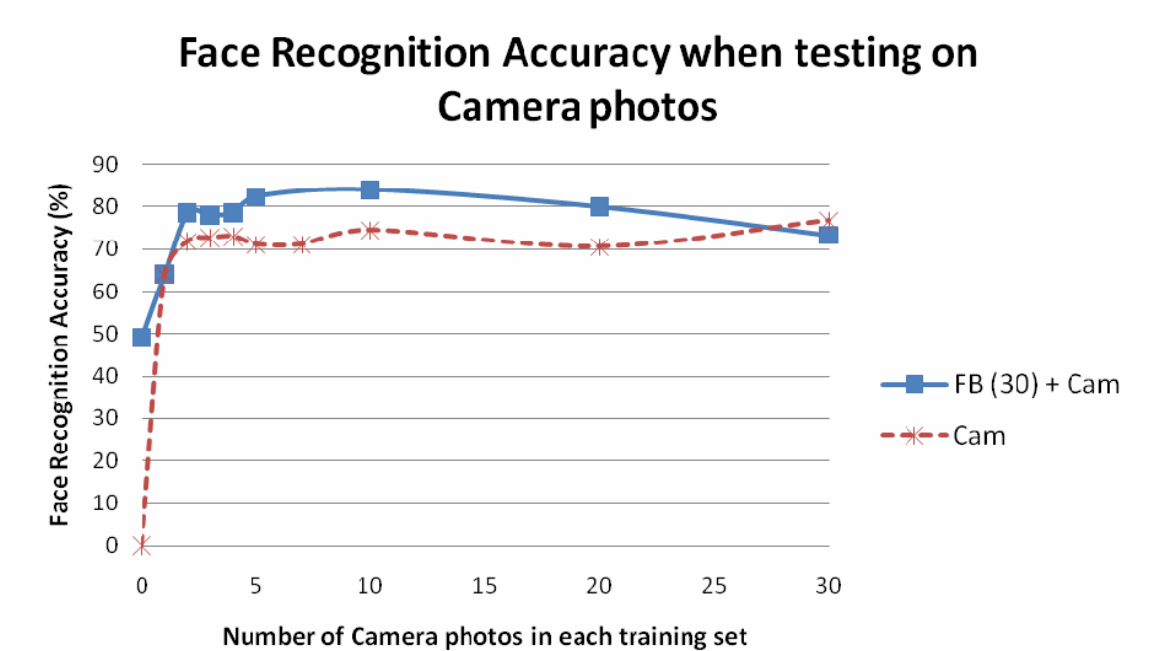...even, gossip!

facebook.

*<-How do we get there?*

## Interactive Robots, Face Recognition and Online Social Networking: A triangle of mutual benefits

*Sarah Mobileiro Al FaceBot*

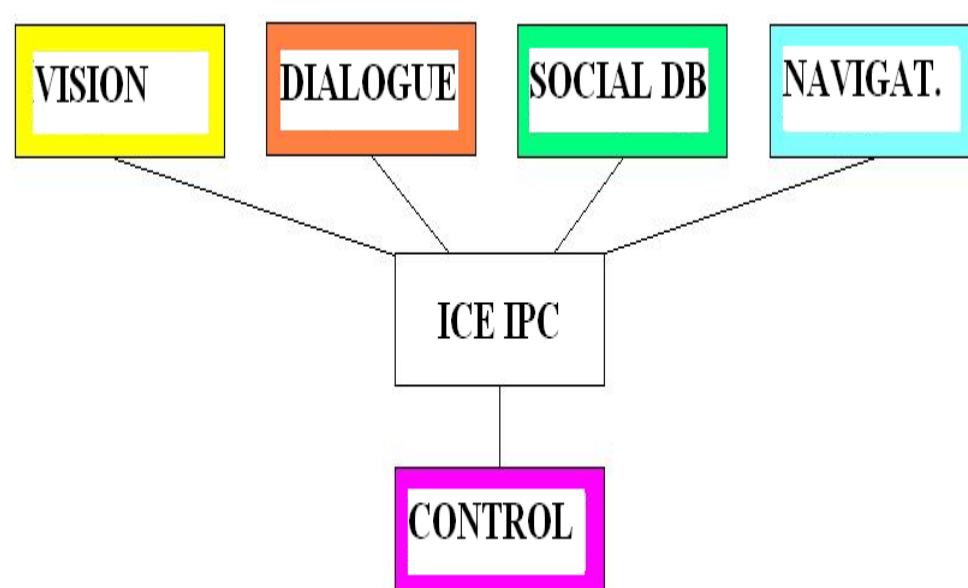FaceRec Quality--Simple Averaging over number of Frames

— inside lab frames
— outside lab frames

*Face Recognition: Temporal Accumulation of Evidence*

Face Recognition Accuracy when testing on Camera photos

— FB (30) + Cam
— Cam

Number of Camera photos in each training set

*Face Recognition: Complementing Camera with FaceBook photos*

*Modular Architecture*

VISION | DIALOGUE | SOCIAL DB | NAVIGAT.

ICE IPC

CONTROL

*Utilizating Social Information for Enhanced Face Recognition*

shervin

*Sarah's Facebook Friends*

# IRML
## Interactive Robots and Media Laboratory
*Where Robots, Humans, and Virtual Characters Live Together!*

+ facebook. = facebots !