

Robotique affective

D.Duhaut

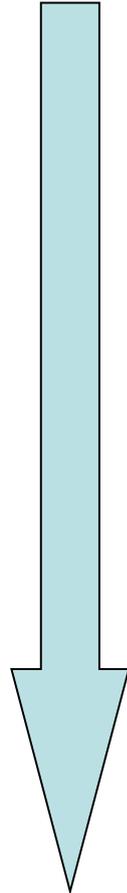
Université Bretagne-Sud



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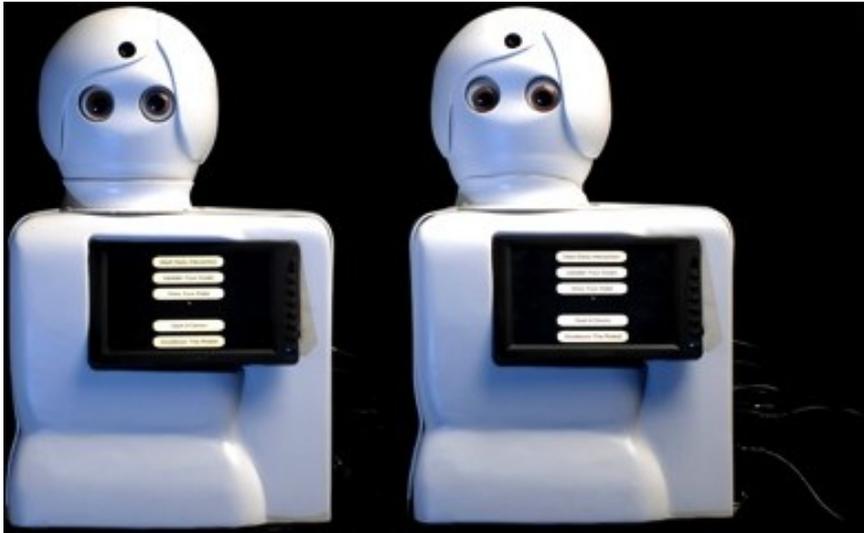
Robot compagnon

- Outil
- Esclave
- Majordome
- Assistant
- Coach
- Collègue
- Ami



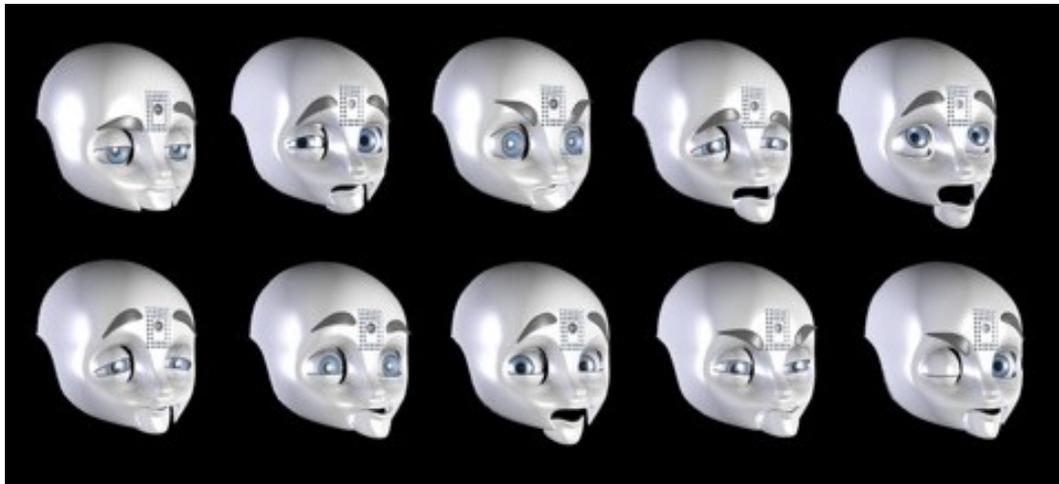
- Fonctionnel
- Intelligence
- Lifelikeness
- Similarité de vie
- Affectif

Exemples



Autom

Dr. Cynthia Breazeal
MIT Media Lab



MDS

Examples



KASPAR

University
of
Hertfordshire.



Examples

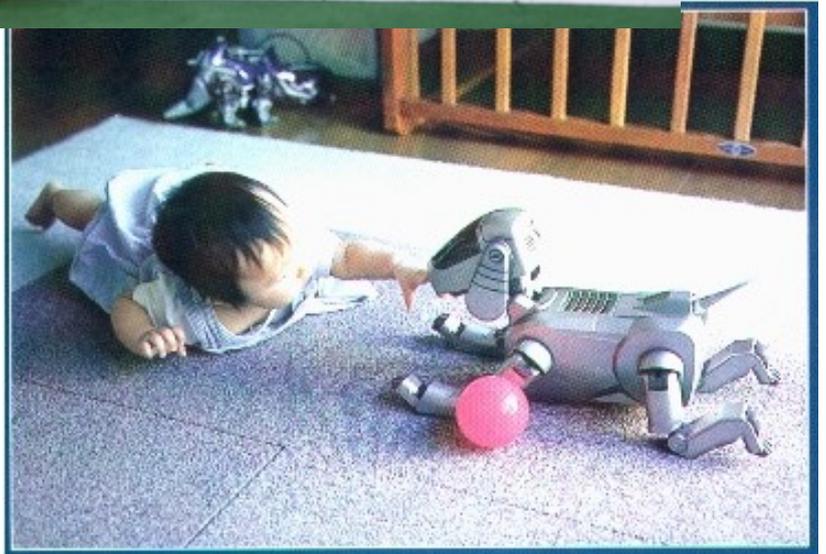


Hiroshi Ishiguro
Intelligent Robotics Laboratory

Exemples



SONY



Exemples

Icat Philips



Tohoku university

Examples



PARO
Takanori Shibata
AIST Tsukuba

Problématique du robot compagnon

- Interaction orientée tâche (monde du travail)

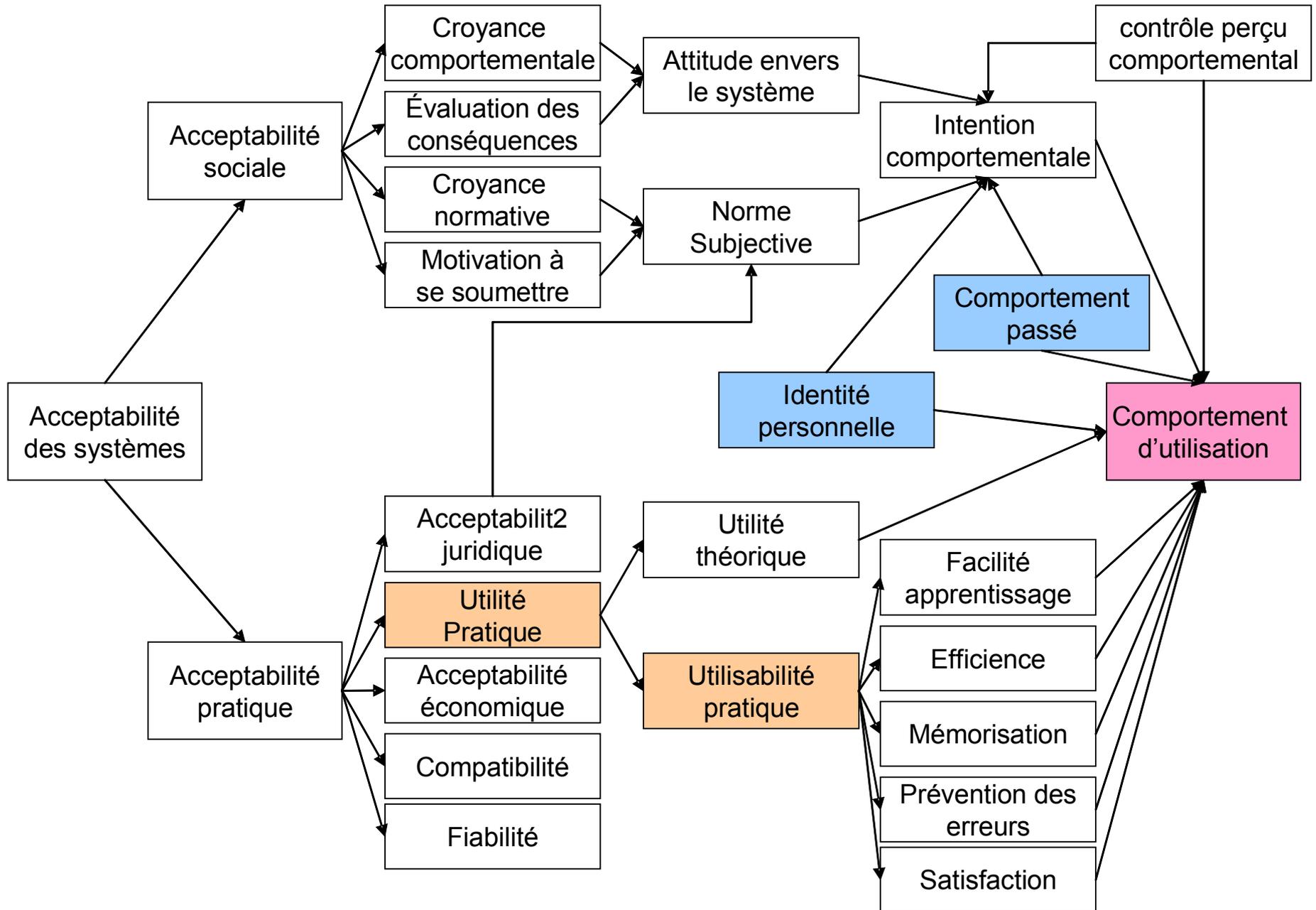
Compétences

- Interaction orientée compagnon (vie privée)

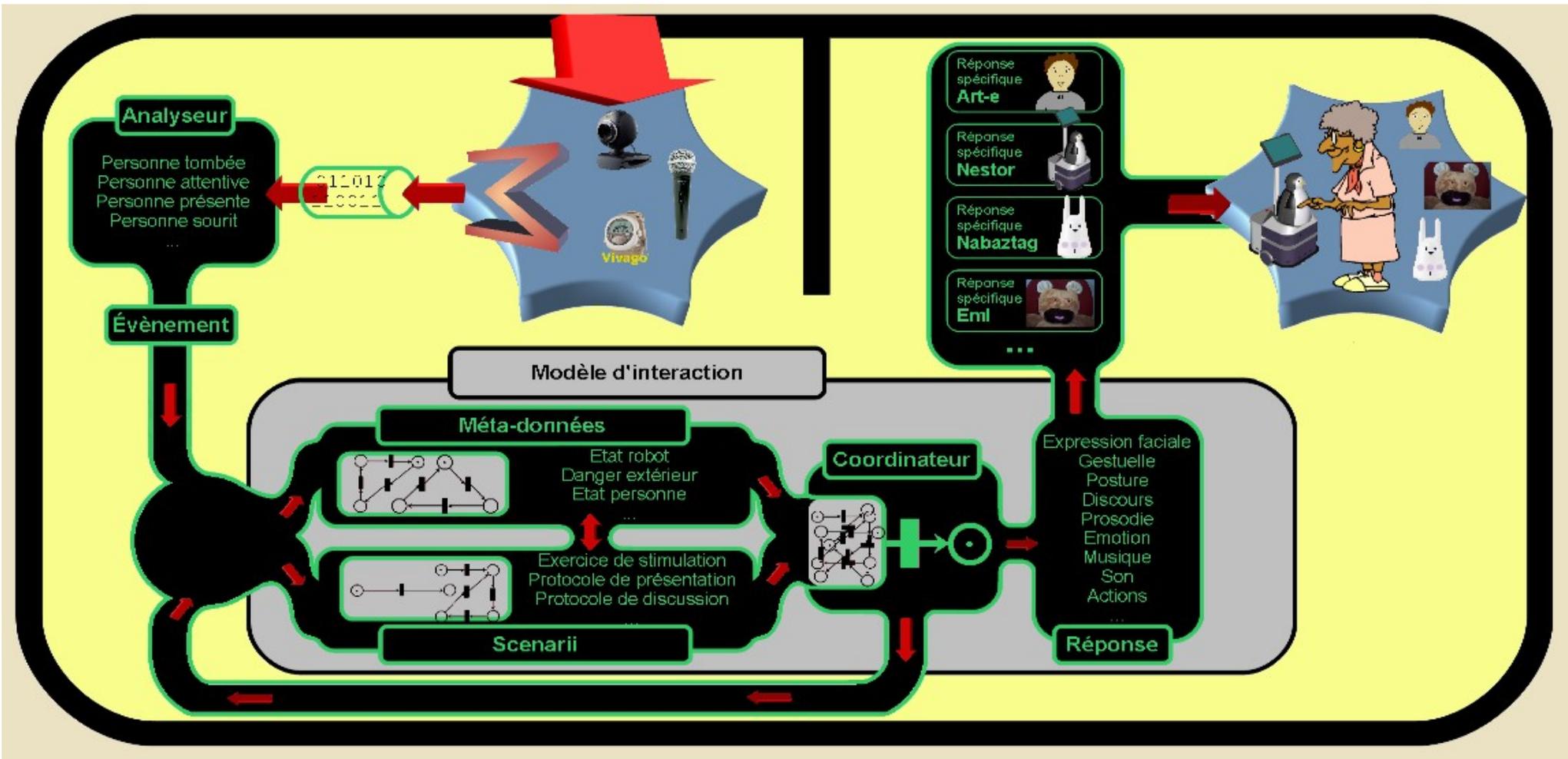
Sympathique / Empathique

Acceptabilité

A. Somat



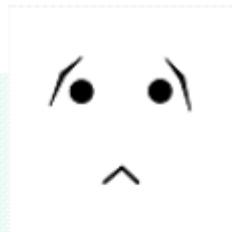
Projet ANR Emotirob-Robadom



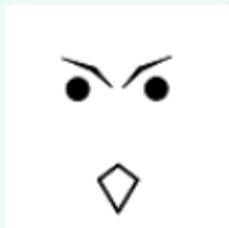
Projet ANR Emotirob-Robadom



Surprise



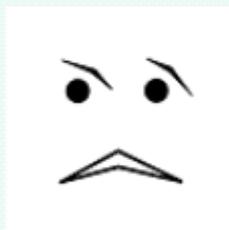
Sadness



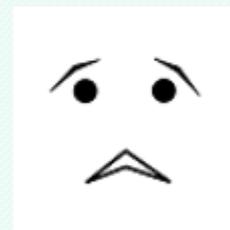
Anger



Joy



Disgust



Fear



Personnalité

- A partir de la dynamique du mouvement
->Simulation
- Robot Emi