



INVITATION European City of Sciences

Robot, my friend ...

November, 14-16, 2008 – Paris - Grand Palais - Espace 22

This exhibition aims at showing the role that robots may play in our daily lives and either facilitate our private or professional lives, bring medical and therapeutic assistance, help maintaining social links or serve as tools for the scientific education of young Europeans. Some of the scientific challenges associated with the development of such companion robots are illustrated by educational demos and videos in "Sylvie's apartment" (a prototype robotic flat), using short scenarios related to our daily lives.



A humanoid kid-robot iCub, welcomes the visitors in the hall. The corresponding scientific objective is the learning of new abilities using exploration and social interactions.



A rat-robot, Psikharpax, illustrates the bio-inspired approach to robotics. It demonstrates its multi-sensorial capabilities, accompanied by a video presentation of various animal robots developed in Europe.



Robots at play, a domain in which robots can also have an educational and therapeutic role is presented in the kid's room. Aibo dog-robot realizes tasks programmed by visitors themselves, using advanced graphical interfaces.



Emotional robots are a part of therapeutic programs which aim at bringing comfort to kids or elderly people. These robots ask crucial questions for interactive robotics: Can robots induce or sense emotions?



Domeo assists elderly people at home. It is presented in daily life activities, exhibiting abilities such as vocal command recognition, dialogue construction, memory help and agenda management for medical prescription.



Monimad assists standing-up and walking which is able to adapt to various motor control disabilities can be tested in the same rooms. Due to a particular mechanical structure, this original interface can be used by any patient.

The Institute for Intelligent Systems and Robotics from Pierre & Marie Curie University, together with ROBOSOFT, European leader of service robotics, the ENSTA Lab, the VALORIA Lab from South Brittany University, the ISR Lab from Coimbra University, the Brain Vision System company, GULIVER scenographic company and the CRIIF, present "Robot, my friend".

All information can be found on: <http://ves2008.isir.fr>