

### 10 Partners

9.2 Million Euros  
Budget

7 Million Euros EU-  
FP7-ICT funding

### 7 Research Packages

Human Motor Primitives

Compliant Systems

Morphological  
Computation

Adaptive Modules

Learning

Control Architectures

Robotic Experimentation  
and Evaluation

### Open source outcomes

Quadruped robot

Complaint extension to  
iCub

Software for learning  
architectures

Human and animal movements are still utterly astonishing when compared to robots.

The AMARSi Project aims at bridging this gap.



Research will include

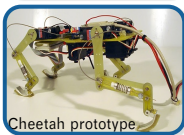
analysis and comparison between  
human motor control and robotics

development of damage-robust,  
safe and fast compliant mechanics



exploitation of morphological  
computation

advancing algorithms for  
unsupervised, reinforcement and  
imitation learning



dynamical and neural models in  
control architectures across  
cognitive levels

unified framework for locomotion  
and manipulation behaviour

The results will demonstrate rich motor skills on the iCub humanoid robot and on the quadruped Cheetah.

Robots will have a wider use and higher impact thanks to their more dexterous motion. The compliant and natural movements will make them blend into everyday routines, make them safe and psychologically acceptable.

<http://www.amarsi-project.eu>

