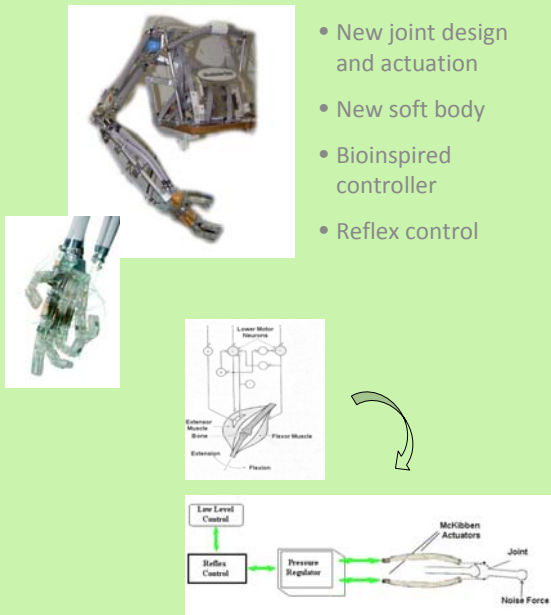


Flexible and effective grasping



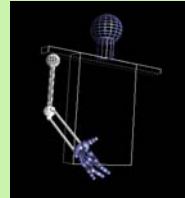
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Structure and control

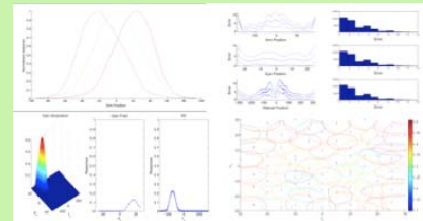


- New joint design and actuation
- New soft body
- Bioinspired controller
- Reflex control

Neural model for reaching



- A fully neural model of the V1 and V2 areas
- Unsupervised learning of peripersonal space
- Object identification and reaching



Flexible Bio-inspired Grasping

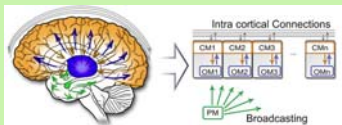
- Action generalization
- Biologic kinematics
- Cognitive database related
- Dynamic on-line control
- Effectiveness



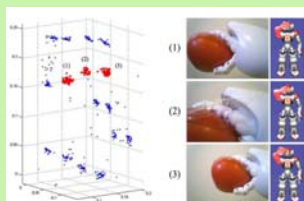
Cognitive architecture

Middlayer intentional architecture

- Intention is an agent specific purpose in performing an action
- Architecture inspired by brain areas
- Able to model cognitive development from simple innate criteria



... and manipulation



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