Towards an Autonomous Recharging of Nao

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Focus of Centre for Knowledge Technology

- Motivation
  - Bio-inspired computing
The RobotDoc Collegium

- Training program on developmental cognitive robotics
- 13 will be PhD students (Early Career Researchers)
- Topics: Language, Sensory-motor control, Affective modulation of behavior ...

http://robotdoc.org/
Artificial Affective- and Self-Protective Actions
RobotDoC Task 4.3


Autonomous recharging of Nao
Artificial Affective- and Self-Protective Actions
RobotDoC Task 4.3

Prescott et al. 1999 - Layered organization of neural mechanisms of defense

Autonomous recharging of Nao
Test scenario – Smart home environment
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Aversive: Heater, door, chairs, etc.
Appetitive: Charging station, fan, etc.
Docking and Recharging: version 1

Autonomous recharging of Nao
Docking and Recharging: Version 1
Docking and Recharging: Version 2
Docking and Recharging: Version 3

Autonomous recharging of Nao
Docking and Recharging: Version 3
Docking and Recharging: Version 3

Autonomous recharging of Nao
Questions / Discussion / Commentaries

Thank you for your attention!

Any questions?