Claims

1. A method of executing a standby mode in a humanoid robot, comprising the steps of:

measuring one or more parameters associated with one or more parts of the robot;

receiving one or more standby optimization rules associated with said parameters, and executing one or more received standby optimization rules;

wherein an optimization rule comprises the maximization of the dissipation of the heat of one or more motors of the robot.

2. The method of claim 1, wherein the one or more parameters comprise temperature measures and/or energy consumption values and/or values quantifying signs of wear or combinations thereof.

3. The method of ~~any preceding~~ claim 1, wherein an optimization rule comprises a rule of minimization of the consumption of energy.

4. The method of ~~any preceding~~ claim 1, wherein an optimization rule comprises the minimization of wear of one or more parts of the robot.

~~5. The method of any preceding claim, wherein an optimization rule comprises the maximization of the dissipation of the heat of one or more motors of the robot.~~

~~6~~5. The method of any preceding claim, wherein executing an optimization rule comprises the execution of an animation or predefined motion of one or more parts of the robot.

~~7~~6. The method of the preceding claim, wherein a predefined motion is associated with a body posture associated with a social engagement score exceeding a predefined threshold.

~~8~~7. The method of claim ~~6~~5 or ~~7~~6, further comprising executing said predefined motion or animation.

~~9~~8. The method of claim ~~8~~7, wherein the execution of the predefined motion is enhanced or enabled by an active accessory.

~~10~~9. The method of any preceding claim, wherein one or more optimization rules are locally predefined or retrieved from a distant server.

~~11~~10. A computer program comprising instructions for carrying out the steps of the method according to any one of claim 1 to ~~10~~9 when said computer program is executed on a suitable computer device.

~~12~~11. A system comprising means adapted to carry out the steps of the method according to any one of claims 1 to ~~10~~9.