

<http://membres-liglab.imag.fr/donsez/cours>

Lego MindStorms

Didier Donsez

Université Joseph Fourier (Grenoble 1)

PolyTech'Grenoble LIG/ADELE

Didier.Donsez@imag.fr

Didier.Donsez@ieee.fr



ROBOT

Travail en tchèque

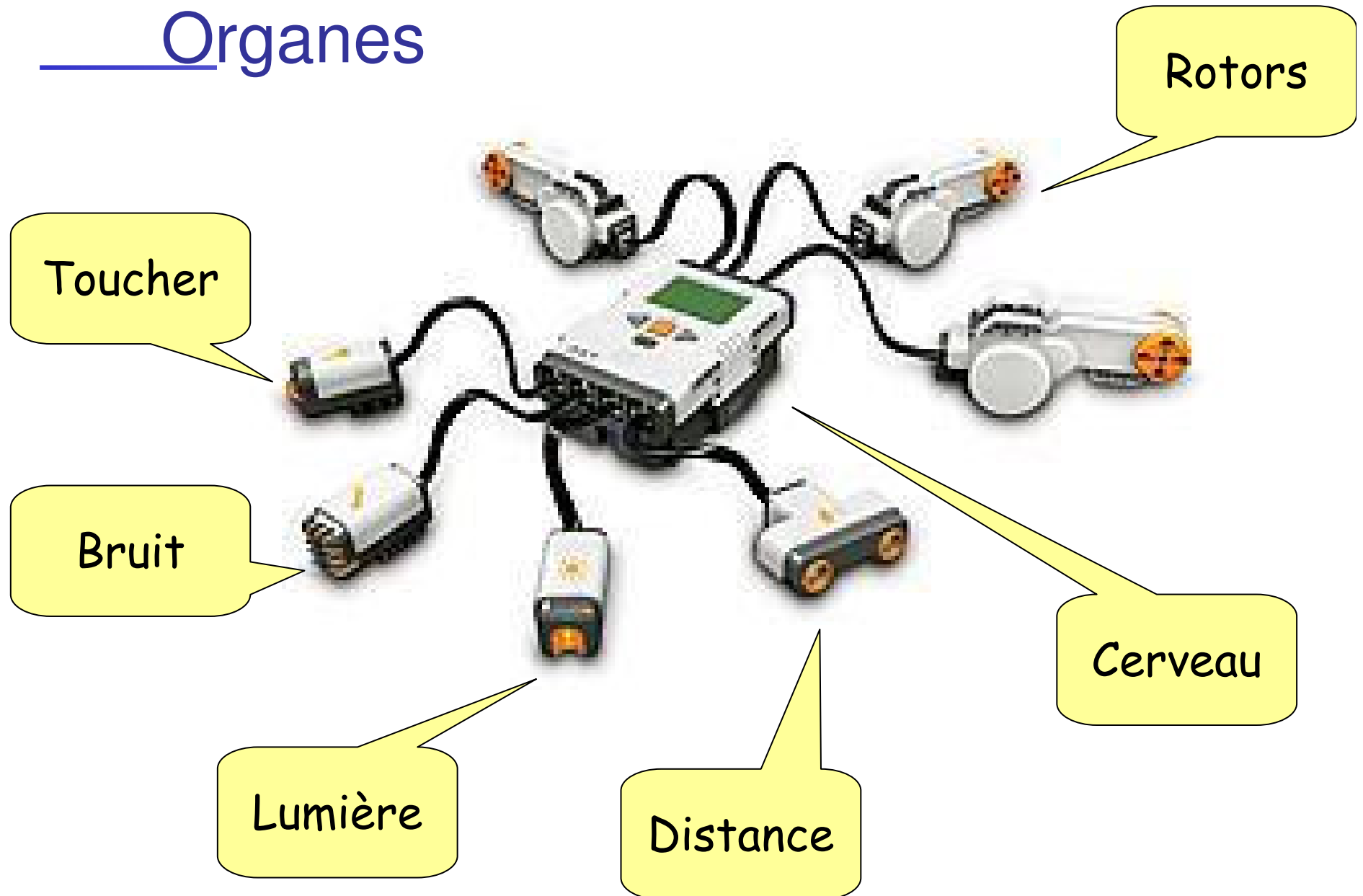
Lego

Mind Storm

Pensée

Tempête

Organes



Construction



Constructions



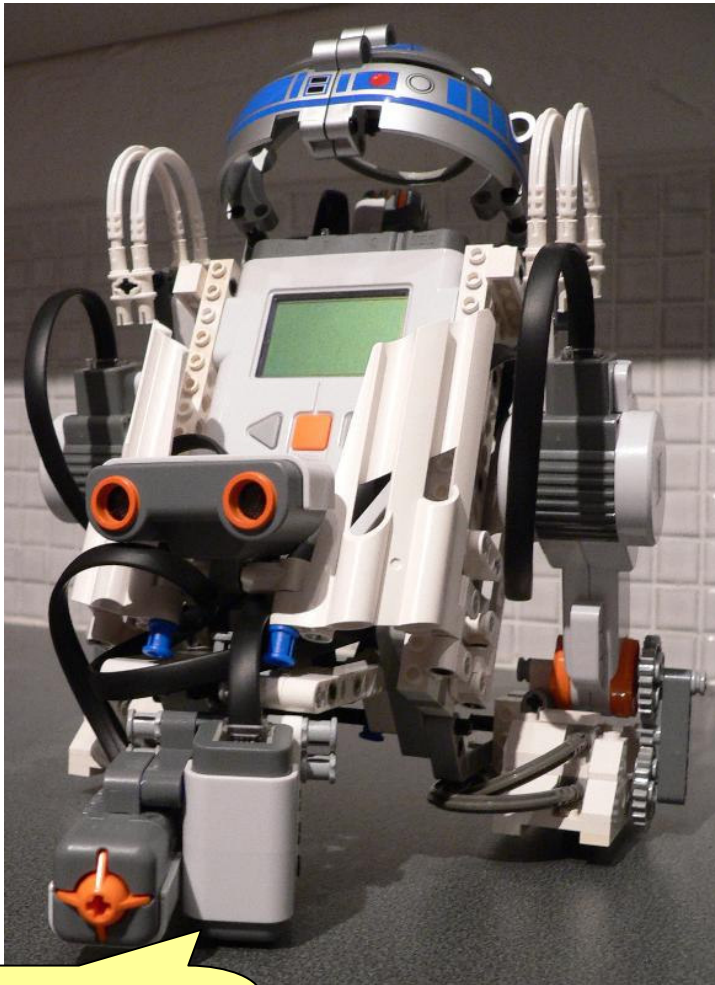
Tribot



Spike
(Scorpion)

Constructions

Didier Donsez, Lego MindStorms, 2002-2009

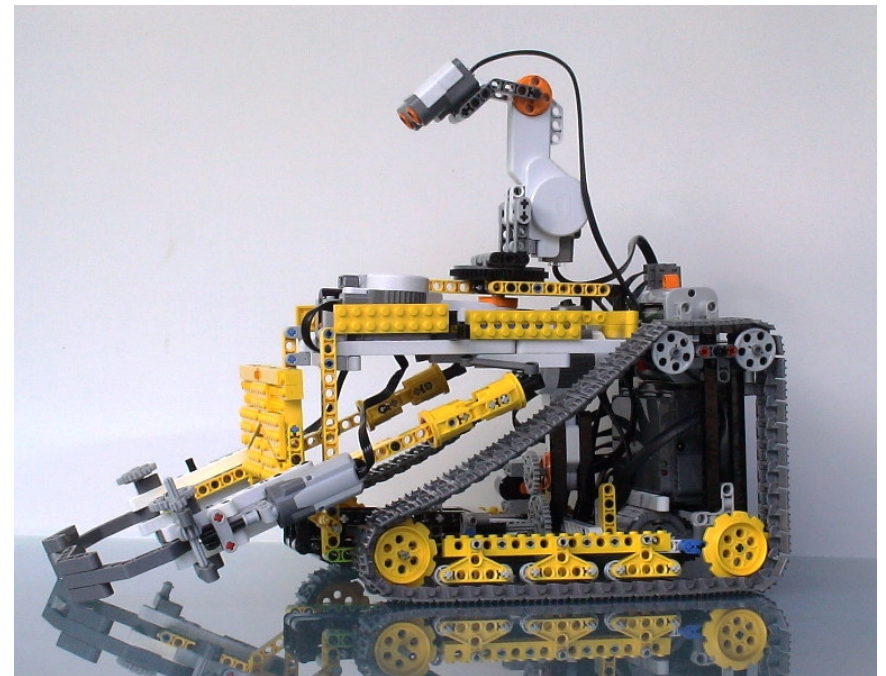
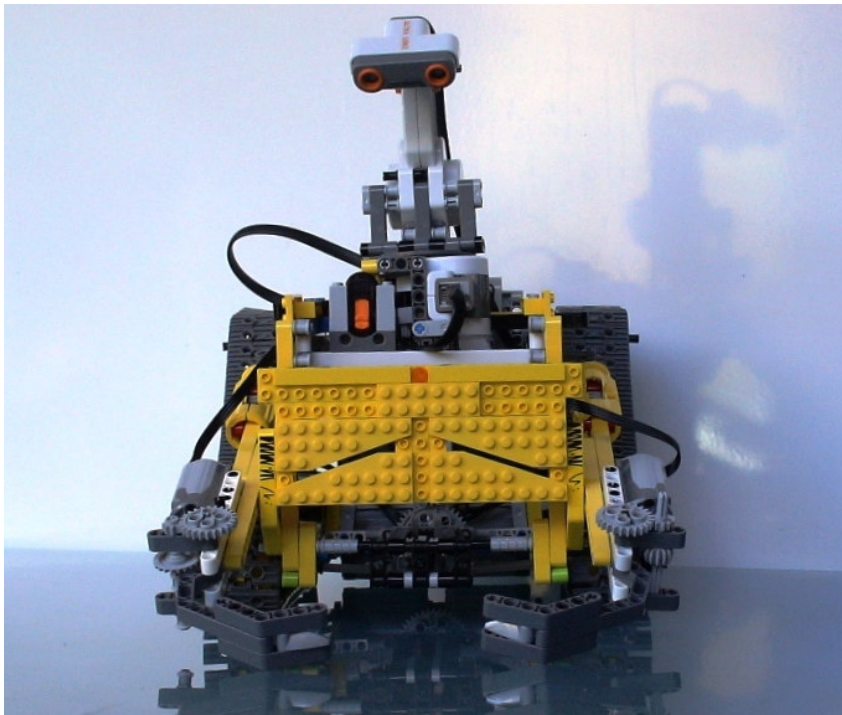


Qui suis-je ?



Alpha Rex

Qui suis-je ?



Réalisé par 3 garçons de 7, 11 et 13 ans

Bien sur c'est Wall-e



Comportement (programme)

The image shows a screenshot of a visual programming environment. On the left is a vertical toolbar with icons for various functions. The main workspace is a grid containing several function blocks. These blocks are categorized into five groups, each highlighted by a yellow callout bubble:

- Actions**: A callout bubble pointing to a block with a gear icon and a red arrow.
- Événement**: A callout bubble pointing to a block with a lightbulb icon and a red arrow.
- Condition**: A callout bubble pointing to a block with a lightbulb icon and a red arrow, labeled "Si ... Alors ... Sinon".
- Répétition**: A callout bubble pointing to a block with a lightbulb icon and a red arrow, labeled "Jusqu'à que".
- Configuration**: A callout bubble pointing to a block with a lightbulb icon and a red arrow, labeled "50".

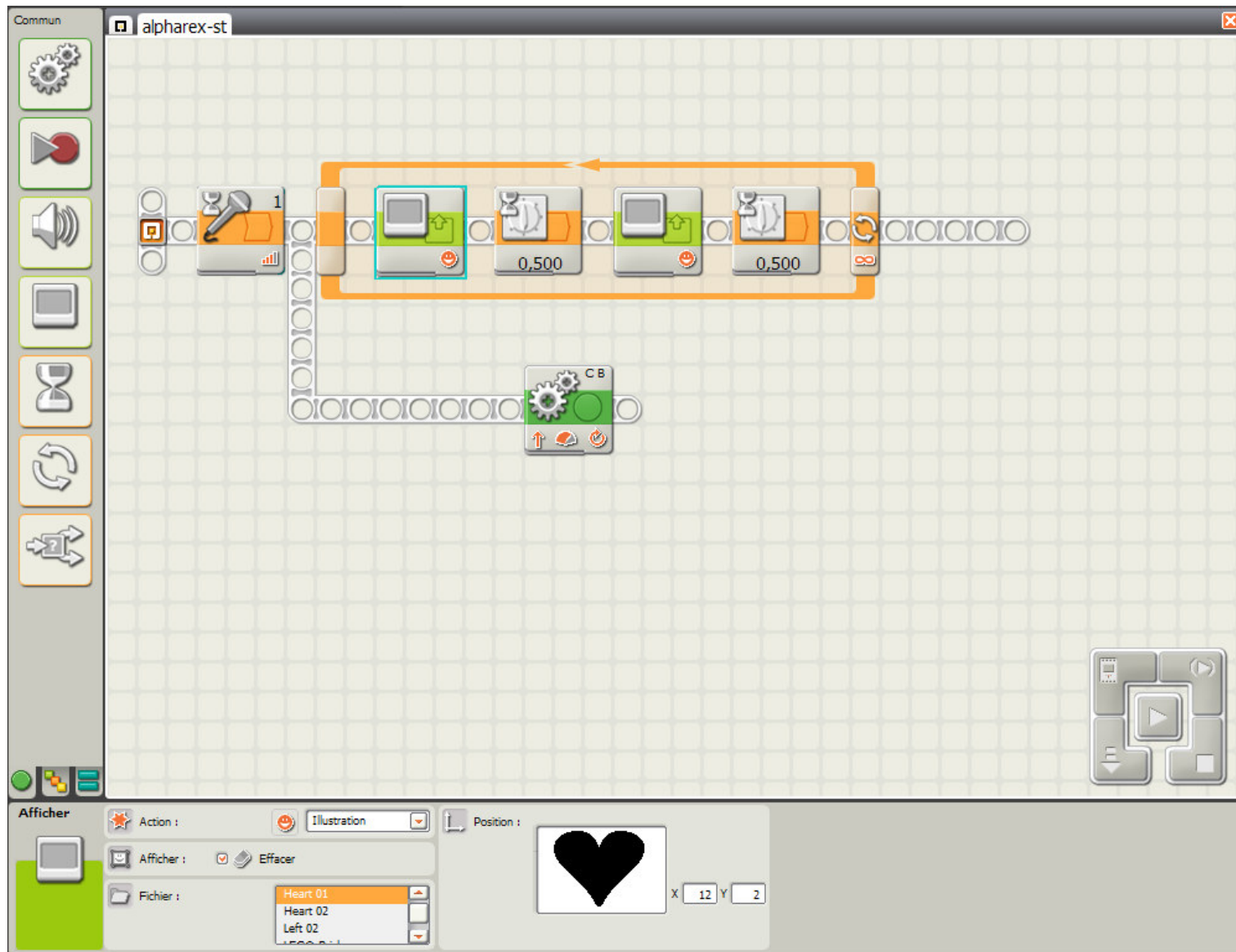
At the bottom of the interface is a configuration panel with several settings:

- Contrôle**: A dropdown menu set to "Capteur".
- Port**: Radio buttons for ports 1, 2, 3, and 4, with port 3 selected.
- Capteur**: A dropdown menu set to "Photosensible".
- Comparer**: A slider control for "Lumière" ranging from 0 to 100, with the value set to 50.
- Afficher**: Checkboxes for "Vue à plat" and "Générer de la lumière".
- Fonction**: A checkbox for "Générer de la lumière".

On the far left, vertical text reads "Didier D... dStorms, 2002-2009".

Un programme pour Alpha Rex

Que fait il ?



Mars Rover



Didier Donsez, Lego MindStorms, 2002-2009

Alpha Luke



ROBOTicien

Informatique

Mécanique