NAO

RobotsLAB

Discover new horizons for education and research

- ATTRACTIVE PLATFORM
- FULLY AND EASILY PROGRAMMABLE
- HIGHLY INTERACTIVE
- MULTIPLE SENSORS ONBOARD CONTROL
- READY TO USE

Robotics represents the fast growing segment of advanced technology used in both education and research.

NAO Evolution is the ideal companion for teaching Robotics as well as STEM (Science, Technology, Engineering, and Math) topics to all levels, from secondary to higher education. By using NAO, teachers and researchers will appreciate and investigate multiple capabilities through this platform.

Let your imagination run wild!

🚌 SECONDARY EDUCATION

Discover algorithmic, boolean logics basics or and object programming
Encourage creativity by designing human-like animations Understand control laws by analyzing sensors and joint data Develop projects around NAO's interaction with its environment

🎓 HIGHER EDUCATION

Experience enhanced object and speech recognition capabilities Explore advanced human-robot interaction
Create complex behaviors by mixing vision, motion and audio Develop projects such as writing or playing manual games
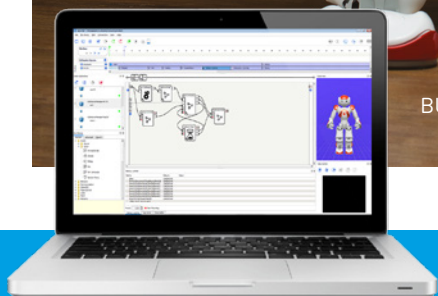
🧪 RESEARCH

Research on human robot interaction / perception and cognition Research on navigation, localization or locomotion Create advanced modules by using APIs Explore new avenues in other cognitive sciences

Program your NAO according to your needs

TACTILE SENSORS
DIRECTIVE MICROPHONES
INFRARED SENSORS
ULTRASONIC
PREHENSILE HANDS
FORCE SENSITIVE SENSORS
INERTIAL UNITS
LITHIUM BATTERY
METAL GEARS
HD CAMERAS
LOUDSPEAKERS
WIFI
BUMPERS

CHOREGRAPHE

Program impressive behaviors with a simple drag and drop of boxes or complex coding

An advanced software package that makes it intui-tive to program NAO using a drag and drop inter-face, which simplifies the programming for new and advanced users alike.

SIMULATOR - WEBOTS

Testing your design in a 3D workspace

The perfect software to accompany your class or research: interfaced with Choregraphe, it is a safe place to test programs on NAO in a simulated envi-ronment before applying them in the real world.

CURRICULA

Experiment new ways to teach with NAO

A comprehensive textbook, made of modules and exercises, recognized as top introduction to robotics. A practical tool for different levels: from secondary school to higher education. A large range of topics as computer science, mathematics, mechanics, matrix, transformation, video, and more!

SDK

Develop incredible behaviors by embedding your modules

A user-friendly and well documented SDK which allows you to embed the modules you developed into your robot to give him more capabilities and intelligence. Our SDK is compatible with many robotics deve-lopment platforms and languages (C++, Python, Java, MatLab,...)

Discover exclusive testimonials

Robots **LAB**

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