



Published on *Horizon 2020* (<https://ec.europa.eu/programmes/horizon2020>)

Friday, 5 February, 2016

The human hand is a complex system of receptors, muscles and joints, making it hard to create a robot that can match not only its ability to move, but also to apply different levels of strength. Supported by the European Research Council (ERC), the SOFTHANDS team has succeeded in doing just this. Their prototype represents a great step-forward in robotics, since it is able to perform fine manipulations of a wide variety of objects.



[1]

The Pisa/IIT SoftHand can also be controlled through sEMG (surface ElectroMyoGraphic) signals from a person's arm, thus opening up to the possibility of using it for prosthetic applications, © Antonio Bicchi

This will lead to the creation of higher performance prosthetics and rehabilitation technologies.

[Read more](#) [2]

See also:

[CORDIS](#) [3]

Project:

A Theory of Soft Synergies for a New Generation of Artificial Hands

Project Acronym:

SOFT HANDS

Source URL: <https://ec.europa.eu/programmes/horizon2020/en/news/sensitive-robot-hands>

Links

[1] https://ec.europa.eu/programmes/horizon2020/en/system/files/newsroom/softhands_s_11999.jpg

[2] <https://erc.europa.eu/projects-and-results/erc-funded-projects/soft-hands>

[3] http://cordis.europa.eu/project/rcn/102189_en.html