

COST Action CA16116

15 March 2017 – 14 March 2021



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EU Framework Programme Horizon 2020



**WEARABLE
ROBOTS**
AUGMENTATION, ASSISTANCE OR SUBSTITUTION OF HUMAN MOTOR FUNCTIONS

What is COST CA16116 about?

Wearable Robots (WRs) can be used to augment, train or supplement human motor functions or to replace them completely. WRs can operate alongside human limbs, as is the case in orthotic robots, exoskeletons or robotic suits, but also include robotic prosthetics. WRs are expected to find applications in Medical, Industrial and Consumer Domains, such as neuro-rehabilitation, worker support, or general augmentation. As WRs continuously interact with humans in multiple situations, not only Robot Engineering, but also Human Robot Interaction, Ergonomics, and Ethical, Legal and Societal (ELS) considerations, as well as early involvement of stakeholders are of essential interest. This Action focuses on the European integration of different underlying disciplines in science and engineering, as well as on engaging of stakeholders to improve WR technology and its societal impact.

What is a COST Action?

COST is the longest-running European framework supporting trans-national cooperation among researchers, engineers and scholars across Europe. It is a unique means for them to jointly develop their own ideas and new initiatives across all fields in science and technology. It anticipates and complements the activities of the EU Framework Programmes, constituting a “bridge” towards the scientific communities of COST Inclusiveness Target Countries. It also increases the mobility of researchers across Europe and fosters the establishment of scientific excellence. COST funds different types of Networking activities, but does not directly fund research.

What does it offer for you?

If you are a researcher	We organize scientific events and reimburse participation - Working Groups, Workshops, Training Schools. We facilitate lab exchanges – Short Term Scientific Missions. Also for PhD students.
If you are a researcher from an Inclusiveness Target Country	We facilitate conference visits for Early Career Investigators. Starting Year 2.
If you are another stakeholder: <ul style="list-style-type: none">· Industry (robotics, medical devices).· End-user (clinical, manufacturing,...).· Interest group, Policy Maker.	We make different events accessible for stakeholders, both scientific and application oriented. We facilitate contact with the research field through events and through our website.

For news and upcoming events, check our [website!](#)

The Action runs from
15 March 2017 – 14 March 2021

Chair of the Action: [Dr. Jan VENEMAN \(ES\)](#)
Vice Chair of the Action: [Dr. Danijela RISTIC-DURRANT \(DE\)](#)
Grant Holder Institute: Tecnalia

www.wearablerobots.eu

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