Regulating Emerging Robotic Technologies in Europe: Robotics facing Law and Ethics

Fact Sheet

Project Information

**RoboLaw**

Grant agreement ID: 289092

Funded under
Specific Programme “Capacities”: Science in society

Total cost
€ 1 908 342,02

EU contribution
€ 1 497 966,00

Coordinated by
SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO S ANNA
Italy

Start date
1 March 2012

End date
31 May 2014

Objective

"The main objective of the research in this proposal is to investigate the ways in which emerging technologies in the field of (bio-)robotics (e.g. bionics, neural interfaces and nanotechnologies) has a bearing on the content, meaning and setting of hard versus soft law. We will research the ways in which regulation (both in terms of soft and hard law) may be affected by, and even in need of adjustment in light of, advances in robotics, with a special focus on human enhancement. To do so we will analyse the current state-of-the-art of legislation and regulation pertaining to robotics,
and we will point towards areas of regulation that are in need of adjustment or revision due to the advent of emerging robotics technologies. Moreover, we will study the interrelations between technical, legal and moral norms in this field, in order to define what could be the best balance between them, and to promote a technically feasible, yet also ethically and legally sound basis for future robotics developments. Uncovering ethical values embedded into robotics technologies, and ethical consequences arising from their use, is another key element of this research, therefore. The most important outcome of the research will consist of "Guidelines on Regulating Robotics", which will containing regulatory recommendations for the European Commission, in order to establish of a solid framework of 'robolaw' in Europe."

Fields of science

engineering and technology > nanotechnology
engineering and technology > electrical engineering, electronic engineering, information engineering > electronic engineering > robotics
social sciences > law

Programme(s)

FP7-SIS - Specific Programme "Capacities": Science in society

Topic(s)

SiS.2011.1.1.1-3 - Regulating emerging scientific and technological developments

Call for proposal

FP7-SCIENCE-IN-SOCIETY-2011-1

See other projects for this call

Funding Scheme

CP-FP - Small or medium-scale focused research project

Coordinator
SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO S ANNA

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Piazza martiri della liberta 33
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Region
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Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation Website
EU contribution
No data

Participants (4)

TILBURG UNIVERSITY- UNIVERSITEIT VAN TILBURG
Netherlands
EU contribution
€ 454 600,00
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Zuid-Nederland > Noord-Brabant > Midden-Noord-Brabant
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation Website
Other funding
No data
THE UNIVERSITY OF READING

United Kingdom

€ 159 600,00

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South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Berkshire

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Website

Other funding
No data

HUMBOLDT-UNIVERSITAET ZU BERLIN

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Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Website

Other funding
No data
LUDWIG-MAXIMILIANS-UNIVERSITAET MÜNCHEN

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EU contribution
€ 143,277,51

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Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation  Website

Other funding
No data

Last update: 18 March 2016

Permalink: https://cordis.europa.eu/project/id/289092

European Union, 2023