



Robots, Society and Industry – a Survey

In tackling which grand societal challenge(s) might robotics play a leading role in the next decade?
(up to three)

- | | |
|---|--|
| <input type="checkbox"/> Healthcare | <input type="checkbox"/> Independent living |
| <input type="checkbox"/> Public services | <input type="checkbox"/> Ageing and social distress |
| <input type="checkbox"/> Care for the environment and energy, sustainable development | <input type="checkbox"/> Disasters and accidents prevention and management |

For effectively tackling such challenge(s), robotics is mainly in need of which of the following enabling technologies (up to three):

- | | |
|--|---|
| <input type="checkbox"/> Improved control schemes and AI methods | <input type="checkbox"/> New design methodologies and tools |
| <input type="checkbox"/> Better integration technologies | <input type="checkbox"/> New sensors and actuators |
| <input type="checkbox"/> Better computing, networking and communication technologies | <input type="checkbox"/> New prototyping and fabrication Technologies |
| <input type="checkbox"/> Better Human-Robot Interfaces | <input type="checkbox"/> New materials |

Which main grand research avenues robotics R&D shall focus on in the next decade (up to three):

- | | |
|---|--|
| <input type="checkbox"/> Soft Robotics | <input type="checkbox"/> Micro-nano Robotics |
| <input type="checkbox"/> Embodied Intelligence | <input type="checkbox"/> Humanoid Robotics |
| <input type="checkbox"/> Intelligent Vehicles | <input type="checkbox"/> Wearable Robotics |
| <input type="checkbox"/> Brain-machine Interfaces | <input type="checkbox"/> Medical Robots, Prosthetics |
| <input type="checkbox"/> Cognitive Robotics | <input type="checkbox"/> Defense, Aerospace Robotics |

Which industrial sector(s) will most benefit from robotics R&D achievements in terms of their competitiveness? (up to three)

- | | |
|--|--|
| <input type="checkbox"/> Industrial automation, mechatronics | <input type="checkbox"/> Biotech, pharma, medical |
| <input type="checkbox"/> Automotive, transportation, personal Mobility | <input type="checkbox"/> Home automation, furniture, appliances |
| <input type="checkbox"/> Gaming, edutainment | <input type="checkbox"/> Consumer electronics, communication devices |
| <input type="checkbox"/> Food | <input type="checkbox"/> Services to citizens for Quality of Life |
| <input type="checkbox"/> Other existing sectors | <input type="checkbox"/> New sectors |

About you (optional)

Highest academic degree: PhD - MS - BS Current position: _____

Name: _____ Affiliation: _____

Age: _____ Gender: _____ Email address: _____

Comments