Future technology: euRobotics

Interface between European Commission & robotics community

White paper on opportunities for laboratory robotics in H2020
Topic Group on Laboratory robotics established
2 workshops at European Robotics Forum March 2016
    miniaturised robotics // laboratory robotics

Invitation to get involved: patrick.courtney@acm.org

KTN
the Knowledge Transfer Network

Innovate UK

[dstl]

ktn-uk.org   @KTNUK

New technology opportunities
New hardware and new software capability

Capabilities: easier to use, smarter, learning

Robotics capabilities across different fields

1 Configurability

2 Adaptability

3 Interaction Capability

4 Dependability

5 Motion Capability

6 Manipulation Ability

7 Perception Ability

8 Decisional Autonomy

9 Cognitive Abilities

Areas of overlap

Requirements for Laboratory Robotics

Requirements for Robotics

Contamination control

Regulation

Traceability of samples

Configurability
Adaptability
Interaction Capability
Dependability
Motion Capability
Manipulation Ability
Perception Ability
Decisional Autonomy
Cognitive Abilities

Other requirements