

1 Artificial Intelligence and Robotics: 2 Calling for an EU policy framework to 3 foster public benefit and security

4 Resolution submitted by
5 Junge Europäische Föderalisten Darmstadt (JEF Darmstadt) and
6 Jeunes Européens Strasbourg (JE Strasbourg)

7 In March 2018, the European Commission (hereon referred to as the EC) set up a
8 group on artificial intelligence with experts and stakeholders in order to draw up a
9 proposal for guidelines on AI ethics.

10 In this resolution, artificial intelligence (AI) is defined *as any system performing a task*
11 *that is not explicitly programmed.*

12 The aim of this resolution is to encourage the European Commission, the European
13 Council, the Council of the EU, the European Parliament and the Economical and
14 Social Council (henceforth referred to as EU institutions) in the legislation process and
15 to set up stable guidelines that assure that technological development serves public
16 benefit.

17 JEF Darmstadt & JE Strasbourg,

18 *Believing* in the potential of these new technologies to transform lives and work
19 practices in Europe, by increasing efficiency of and benefits in production industry,
20 commerce, transport, farming, health care, medical care, and education;

21 *Aware* of the impact of artificial intelligence and robotics on all parts of society;

22 *Recognising* that increased data availability, facilitated through public structures,
23 optimises AI and robotics;

24 *Noting further* that the existing European legislation and policies are neither sufficient
25 nor applicable on robotic and artificial intelligence;

26 *Drawing attention to* the lack of regulation on robotics including but not limited to
27 product liability and responsibility for malfunction, harmful action, omission or other
28 damages caused by a robot in the European legal framework;

29 *Claiming* the need for European institutions and member states to enact on liability
30 and responsibility concerns;

31 *Noting* the personalisation of health care by the implementation of artificial
32 intelligence and robots in medicine and care;

33 *Deeply concerned about* the existing legal vacuum on the topic of artificial intelligence;

34 *Further concerned about* job replacement of repetitive tasks in every sector due to the
35 implementation of artificial intelligence not only in lower skill jobs in labour-intensive
36 sectors, but also in medical, legal and advising services, and creative industry;

37 **JEF Darmstadt & JE Strasbourg,**

38 *Reaffirm the need for* EC's support of training and education on digital technologies at
39 all career stages to mitigate job loss for instance through subsidised / tax-incentivised
40 on-the-job training and encouraging extending financial support thereof (e.g. EASI);

41 *Stress the need for* EU institutions to implement ethical standards on artificial
42 intelligence and robotics into European legal framework;

43 *Call for* the establishment of common and clear legal definitions in the domain of AI;

44 *Underline* the importance of a cautious and gradual implementation of AI in order to
45 determine potential risks and downsides;

46 *Re-emphasise* the importance of raising awareness on AI and robotics to the general
47 public and implementing these topics in all levels of education;

48 *Call for* an appropriate involvement of AI and robotics into the existing social welfare
49 systems by taxing the companies replacing physical human jobs by AI or robotics;

50 *Recommend* economic mechanisms for support of livelihood in light of reduced
51 demand of labour;

52 *Call for* a decentralised European control and registration system for AI and robotics;

53 *Recommend* the implementation of AI and big data for public benefit in order to
54 balance private sector engagement;

55 *Recognise* the success of scientific institutions (e.g. ESA) supported by the EC, endorse
56 the establishment of an analogous body for the implementation and further
57 development of AI for large-scale public projects;

58 *Welcome* the European institutions' effort to support small and medium size
59 businesses in the field of AI and robotics structurally and financially, potentially as
60 private sector partners to the European bodies referenced in the clause above.

61 *Adopted by the participants of the Seminar „The Future of Science and Technology in*
62 *Europe“ in Darmstadt on 01 July 2018.*