

UMETNA INTELIGENCA VČERAJ, DANES IN JUTRI

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Avtor nisem strokovnjak za področje umetne inteligence, verjame pa, da lahko to področje, ki ga spremljam že prilično dolgo, osvetlim z vidika ozaveščenega uporabnika in informatika. V prispevku nameravam podati pregled, najprej kako se je področje razvijalo in ob tem doživljalo vzpone in padce do stanja, kakršno je splošno zaznano sedaj. Danes je umetna inteligenca dejstvo, priznavajo jo v vseh panogah kot pomemben pripomoček za uspešnejše delovanje. Uporabniki umetne inteligence smo praktično že vsi ne da bi se tega posebej zavedali. Bodisi da vozimo avtomobil, odgovarjamo na elektronsko pošto, spremljamo televizijske programe ali na delovnem mestu, povsod so vgrajene rešitve na bazi umetne inteligence in se tega niti ne zavedamo več. Ob tem se odpirajo tudi nove dileme strokovne, etične in zakonske narave, ki jih pred tem niti ni moglo biti. Teh se zavedajo bolj ali manj tudi oblasti – ne sicer vseh držav, izkaz zaskrbljenosti vsaj Evropske unije pa je nedavno tega sprejeti predlog uredbe, ki naj uredi področje razvoja in uporabe umetne inteligence. Podan bo kratek pregled vsebine predloga te uredba. Posebej bo navedenih nekaj konkretnih primerov, ki bodo ilustrirali aktualno razumevanje umetne inteligence danes in dileme, ki se v znanstveni, strokovni in širši javnosti pojavljajo že sedaj. Tretji del prispevka bo poizkus pogleda na prihodnost umetne inteligence, predvsem glede smeri razvoja, kaj bi to pomenilo za informatiko, za umetno inteligenco ter za človeštvo nasploh. Dejstvo je, da se s temi vprašani ukvarjajo številni strokovnjaki in združenja, skupnega razumevanja in pogleda na omenjena področja – pomen, vloga in prihodnost umetne inteligence - pa še ni. Ambicija seveda ne more biti, da bi odgovoril na vsa odprta vprašanja, upam pa, da bodo pogledi in dileme spodbudili razvijalce, da bodo upoštevali realne potrebe, in uporabnike, da bodo razumeli zlasti omejitve umetne inteligence.

Ključne besede: umetna inteligenca (UI); razvoj UI, stanje UI; prihodnost UI

ARTIFICIAL INTELLIGENCE YESTERDAY, TODAY, AND TOMORROW

The author is not an expert in the field of artificial intelligence, but he believes that I can shed light on this field, which I have been following for too long, from the perspective of an informed user and information scientist. In this paper, I will give an overview, first of all, of how the field has developed and, in the process, experienced ups and downs to the state it is generally perceived to be in today. Today, artificial intelligence is a fact of life, recognised in all sectors as an important tool for more successful operations. We are all users of AI without even realising it. Whether we are driving a car, answering emails, watching TV programmes, or working, AI-based solutions are everywhere, and we are not even aware of them anymore. This also raises new professional, ethical and legal dilemmas that did not even exist before. The authorities are also more or less aware of these - not all countries. Still, at least the European Union has recently adopted a proposal to regulate the development and use of artificial intelligence. A brief overview of the content of this proposal will be given, with some specific examples to illustrate the current understanding of AI today and the dilemmas that already exist in the scientific, professional and general public. The third part of the paper will attempt to look at the future of AI, in particular in terms of the direction of development, what it would mean for computer science, for AI and for humanity in general. The fact is that many

experts and associations are working on these issues, but there is not yet a common understanding and view of the areas - the importance, role and future of AI. It is not my ambition to answer all the open questions. Still, I hope that the views and dilemmas will encourage developers to consider real needs and users to understand, in particular, the limitations of artificial intelligence.

Keywords: artificial intelligence (AI); AI history; AI state of the art; future of AI