Frontiers of Artificial Intelligence – Philosophical explorations

Dec 1-2, 2023

The conference explores the philosophical problems at the frontiers of Artificial Intelligence (AI). The assumption behind the conference is that AI technology itself cannot explain what AI technology does and can accomplish, why AI systems do what they do and not do and why they cannot (so far) move beyond a certain class of problems. The claim is that to progress, AI needs to understand the philosophical background of the problems it attempts to model. Thus, AI needs philosophy; the question "What philosophy can do for AI?" may be another title of this conference. Some of the topics we hope to discuss are:

- Ontology and meta-ontology of AI – where we are and where we should be?
- 4E AI anyone?
- AGI, transhumanism, and superintelligence- do we know what it is?
- Roads to AGI – is there one or many or none?
- Explanatory, Trusted, Fair, (Provably) Beneficial AI, or something else?
- AI like us? Do we really want it?
- Transparency of AI – what it is and whether it is needed
- WBE- sci-fi or nightmare to come
- NLP models and Generative AI – beyond GPT-X-like systems
- Topology of problem spaces, topologies of AI systems and ML/DNN- continuous vs discrete, extrapolation vs interpolation, the curse of dimensionality – can it be overcome?
- AI creativity – AI art, music, literature, philosophy – is there one?
- Synthetic philosophy; philosophy of AI, or by AI?
- Epistemic States in AI systems- are there any?
- Belief forming processes in AI systems
- Is AI knowledge A-knowledge $(JTB)^A$ or R-knowledge $(JTB)^R$- truth in AI systems
- Problems of K-Kp and J-Jp in AI – is there a sense in asking about them?
- Deep ethics in AI systems, ethical problem space, dual use AI- what are we talking about?
- What is agency? AI threats to human agency, creativity, truth, and society - realities, sci-fi visions, dystopias or utopias; reading tea-leaves of technology, who should be in control of whom, do we lose ontological status of primary epistemic agents.
- Do we need philosophy in AI or having just clever programmers enough?

The conference will be on-line using ZOOOM platform. The participation will be free. The conference is organized by The Commission for the Philosophy of Science at the Polish Academy of Arts and Sciences. Early inquiries about the conference can be directed to Roman Krzanowski (rmkrzan[at]gmail.com) or Pawel Polak (pawel.polak[at]upjp2.edu.pl).

The proposals for the presentations should be submitted for the anonymous review to **<phil.in.AI.2023[at]gmail.com>.** On the separate page the author(s) should submit the full name, affiliation and a short CV (up to 150 words). The proposals should not exceed 300-400 words (including references) in (*.docx) format. We accept presentations in English.

Important dates:

Nov 01th - Deadline for abstracts
Nov 07th - The authors of accepted abstract are notified.
Nov 15th - Program finalized; Zoom contact sent out.
Dec 1-2nd - Conference online (ZOOM)

The conference will be organized using ZOOM platform. There are no fees for attending the conference. The list of accepted abstracts will be published before the conference. The authors of selected abstracts will be invited to submit the paper (up to 6000 words) for publication in the philosophy journal "Studies in Logic, Grammar and Rhetoric" (https://sciendo.com/journal/SLGR) in 2023/24.