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Editorial

Special issue on historical and future perspectives of AI

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In its role as the European Journal on Artificial Intelligence, AI Communications strives to showcase high quality research developed in Europe. Under this premise, we invited contributions reflecting historical and future perspectives of AI. This issue is the result of such invitations.

The papers appearing in this issue are as heterogeneous as the whole Artificial Intelligence field. The first paper deals with the very current issue of accountability in AI. With a view towards the future of AI, the paper provides an accountability ecosystem, taking into account lessons learned from recent industrial AI systems and their drawbacks.

The second paper analyses the current trends in the area of Neuro-Symbolic AI. Although the general area of Neuro-Symbolic integration has been around for over two decades, it has only very recently become a main-stream topic, as attested by the number of submissions in top AI-related conferences.

The third paper makes a connection between recent formalisations of analogical reasoning, on the one hand, and the historical treatment of numerical proportions, on the other hand.

We are very aware that there are many historical and future perspectives of AI that are not covered in this issue. Our hope is that these papers will spark a larger conversation.

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