

Special Issue

Purpose-Driven Data-Information-Knowledge-Wisdom (DIKWP)-Based Artificial General Intelligence Models and Applications

Message from the Guest Editor

Purpose refers to the reason or intention behind something, or the motivation or aim that drives a person or organization towards a particular goal or objective. DIKWP stands for Purpose-driven Data-Information-Knowledge-Wisdom, and it is an extension of the original DIKW model that emphasizes the importance of purpose and context in the process of converting data into useful knowledge and wisdom. We call for papers on DIKW and DIKWP modeling and processing, especially those related to novel AGI models: 1. A small model of AGI/LLMs solutions based on DIKW or DIKWP: data and knowledge hybrid modeling and processing of natural language content, language processing models, etc. 2. Low computing workload AGI/LLMs solutions: ontology automation, knowledge graph, etc. 3. New DIKW formalization methods: various formalizations on common sense, cognition, etc. 4. Objectivation approaches of subjective or cognitive AGI/LLMs content. 5. Semantic DIKWP communication for 5G/6G, privacy persevering, etc. 6. Evaluation models and standardization of AGI/LLMs tests/experiments. 7. Explainable, trustworthy, reliable and responsible architecture on AGI/LLM governance.

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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