## Stories Inspired Optimization Algorithms - The Breakthrough in Artificial Intelligence

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The primary purpose of writing this letter is to invent and define a new area called "Stories Inspired Optimization Algorithms (SIOA)".

Recently in [1] - [7], optimization algorithms were created by taking inspiration from Mothers, Children, Satisfied beings, Humans, Souls, Gods and Particular Humans. In this letter, a new path is defined where Optimization Algorithms are created by taking Inspiration from Stories.

Definition of "Stories Inspired Optimization Algorithms (SIOA)": All the Optimization Algorithms which are created by taking Inspiration from Stories will come under "Stories Inspired Optimization Algorithms (SIOA)".

Example Story: There are people in a city who can fly. On every festival they used to imitate birds for searching food.

Example Algorithm: One can take Inspiration from above example Story and design "Festival People Flying Algorithm (FPFA)". The search space consists of Artificial humans who can fly. As Artificial flying humans are imitating birds, the FPFA Algorithm is mathematically equivalent to Particle Swarm Optimization Algorithm (PSO Algorithm).

Conclusions: A new field titled "Stories Inspired Optimization Algorithms (SIOA)" is invented and defined in this letter. An example Story and a sample "Festival People Flying Algorithm (FPFA)" are shown in this letter. The advantage of "SIOA" field is that the Inspiration from which one can create Optimization Algorithms need not be real. If we believe one can get more accurate results by making Artificial humans fly then we can create a story where Humans can fly and we can take Inspiration from that story. In this letter it is not said that "SIOA" Algorithms perform better than other existing Optimization Algorithms.

References: [1] https://papers.ssrn.com/sol3/papers.cfm?abstract\_id=3726540

[2] https://papers.ssrn.com/sol3/papers.cfm?abstract\_id=3726545

[3] https://papers.ssrn.com/sol3/papers.cfm?abstract\_id=3726532

[4] https://papers.ssrn.com/sol3/papers.cfm?abstract\_id=3758832

[5] https://papers.ssrn.com/sol3/papers.cfm?abstract\_id=3728413

[6] https://papers.ssrn.com/sol3/papers.cfm?abstract\_id=3728414[7] https://papers.ssrn.com/sol3/papers.cfm?abstract\_id=3857132