

53rd IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) –
The Next Steps (A4)
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Author: Prof. Mike Garrett
University of Manchester, United Kingdom

SILENT STARS, AWAKENING MINDS: AI'S POTENTIAL ROLE IN RESOLVING THE FERMI
PARADOX

Abstract

The remarkable pace in the development of AI (Artificial Intelligence), potentially accelerated through self-assisted design, may consistently lead biological civilisations to underestimate the crucial need to swiftly regulate AI advancements on a global scale. The inability of biological civilisations to effectively manage the incredibly rapid progression of AI, or any other fast-evolving technology, could instigate a global catastrophe serving as a universal resolution to the Fermi Paradox. For this crisis to effectively curtail the lifespan of a civilisation, it must manifest itself during the initial stages of a technical civilisation's growth, preceding its ability to sustainably expand beyond its native planetary system. The proposed timeframe of 100-200 years, equivalent to the longevity (L) of a technical civilisation, emphasizes the urgency to implement regulatory frameworks that govern the trajectory of future AI development. The continuity of consciousness throughout the cosmos might hinge on the effectiveness of establishing robust and all-encompassing global regulations pertaining to the progress of AI.