

Artificial General Intelligence

From Foundations to Agentic Systems and the Road to AGI

2nd EDITION

Published by De Gruyter | Building on the success of the 1st edition, now inviting contributions for an expanded, updated 2nd edition

Our book on **Artificial General Intelligence (AGI)**, published by **De Gruyter**, has been well received in the market – and the publisher has invited us to bring out a **second edition**. We are now inviting original, high-quality chapter contributions from researchers, practitioners, and technologists across the 20 topics listed below, organized into three parts.

PART I The Introduction to AGI and its Enabling Technologies

1. Expounding the Artificial General Intelligence (AGI) Journey
2. Explaining Self-Learning Algorithms (Machine, Deep, Reinforcement and Ensemble Learning)
3. Illustrating Generative AI Technologies and Tools
4. Analyzing the Key AI Coding Tools, Assistants and Agents
5. Delineating the Relevance of Explainable, Efficient and Edge AI

PART II Agentic AI System Engineering and Management

6. Elucidating the Agentic AI Paradigm
7. Delineating the Ideals of Physical AI / Embodied AI / Robotics AI
8. Articulating the Agentic Software Engineering Process
9. Detailing AI Agent Evaluation, Optimization, Deployment and Improvement Methods
10. Building Multi-Agent Systems (MAS) Across Industry Verticals
11. Agentic AI Coding Tools (Claude Code, OpenAI Codex, GitHub Copilot)
12. Implications of Agentic AI Systems for Healthcare, Supply Chain, Logistics, Retail, Telecom and Manufacturing

PART III Tending Towards Artificial General Intelligence (AGI)

13. Discussing the AI Limitations and Loopholes
14. Expounding the Enabling Technologies of AGI
15. Focusing on the Neuro-Symbolic AI Paradigm
16. Illustrating Ontology-Driven Knowledge Graphs
17. Bayesian Networks and Markov Networks
18. The Industrial Use Cases of Artificial General Intelligence (AGI)
19. Elucidating the Strategically Sound Combination of Quantum Computing and AGI
20. Explaining the Significance of AGI-Driven 6G Communication Networks

How to Submit

SEND CHAPTERS TO dr.pethururaj@gmail.com

EMAIL SUBJECT "AGI Book 2nd Edition"

SUBMISSION DEADLINE **23 August 2026**

WHAT TO SEND Full, original, quality chapter draft on your chosen topic (select one from the list above)