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Nota di contenuto	Part I Building blocks: introducing and interpreting AI as a new system technology, similar to electricity and the internal combustion engine -- Introduction -- Chapter 1 Artificial Intelligence: definition and background -- Chapter 2 AI is leaving the lab and entering society -- Chapter 3 AI as a system technology -- Part II Five tasks: discussion of the tasks for embedding AI into society -- Chapter 4 Demystification -- Chapter 5 Contextualization -- Chapter 6 Engagement -- Chapter 7 Regulation -- Chapter 8 Consider AI as a system technology -- Part III Agenda: conclusions and recommendations for AI policy in the Netherlands -- Chapter 9 Policy for AI as a system technology -- Appendix: Examples of AI applications in the Netherlands -- Terms and definitions -- Keywords -- Bibliography.
Sommario/riassunto	This open access book offers a strategic perspective on AI and the process of embedding it in society. After decades of research, Artificial Intelligence (AI) is now entering society at large. Due to its general purpose character, AI will change society in multiple, fundamental and unpredictable ways. Therefore, the Netherlands Scientific Council for Government Policy (WRR) characterizes AI as a system technology: a

rare type of technologies that have a systemic impact on society. Earlier system technologies include electricity, the combustion engine and the computer. The history of these technologies provides us with useful insights about what it takes to direct the introduction of AI in society. The WRR identifies five key tasks to structurally work on this process: demystification, contextualisation, engagement, regulation and positioning. By clarifying what AI is (demystification), creating a functional ecosystem (contextualisation), involving diverse stakeholders (engagement), developing directive frameworks (regulation) and engaging internationally (positioning), societies can meaningfully influence how AI settles. Collectively, these activities steer the process of co-development between technology and society, and each representing a different path to safeguard public values. Mission AI - The New System Technology was originally published as an advisory report for the government of the Netherlands. The strategic analysis and the outlined recommendations are, however, relevant to every government and organization that aims to take up 'mission AI' and embed this newest system technology in our world.
