
EMERGING TECHNOLOGIES

January 5, 2026

READING LIST

ARTIFICIAL INTELLIGENCE

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2. Greg Allen and Taniel Chan. 2017. *Artificial Intelligence and National Security*. Cambridge, MA: Belfer Center for Science and International Affairs, Harvard Kennedy School, pp. 12-26. Available at: <https://www.belfercenter.org/publication/artificial-intelligence-and-national-security>.
3. Adib Bin Rashid et al. 2023. "Artificial Intelligence in the Military: An Overview of the Capabilities, Applications, and Challenges." *International Journal of Intelligent Systems*, pp 1-31. Available at: <https://doi.org/10.1155/2023/8676366>.
4. Todd C. Helmus, 2022. "Artificial Intelligence, Deepfakes, and Disinformation: A Primer," *RAND*, pp. 1-24. Available at: https://www.rand.org/content/dam/rand/pubs/perspectives/PEA1000/PEA1043-1/RAND_PEA1043-1.pdf.
5. Erik Lin-Greenberg, "Allies and Artificial Intelligence: Obstacles to Operations and Decision-Making," *Texas National Security Review*, Vol 3. No. 2 (Spring 2020), pp. 55-76. Available at: <https://doi.org/10.26153/TSW/8866>.
6. Forrest E. Morgan et al. 2020. *Military Applications of Artificial Intelligence: Ethical Concerns in an Uncertain World*. *RAND*, pp. xi-xix, 15-22. Available at: https://www.rand.org/pubs/research_reports/RR3139-1.html.
7. Rebecca Crotoft, "AI and the Actual IHL Accountability Gap," *Centre for International Governance Innovation*, November 8, 2022. Available at: <https://www.cigionline.org/articles/ai-and-the-actual-ihl-accountability-gap/>.
8. Ben Buchanan and Tantum Collins, "The AI Grand Bargain," *Foreign Affairs*, Vol. 104. No. 6 (November/December 2025). Available at: <https://www.foreignaffairs.com/united-states/artificial-intelligence-grand-bargain-buchanan-collins>.

SYNTHETIC BIOLOGY

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<https://www.gcsp.ch/sites/default/files/2024-12/securing-civilisation-against-catastrophic-pandemics-gp-31.pdf>

10. Kevin M. Esvelt. 2022. “Delay, Detect, Defend: Preparing for a Future in Which Thousands Can Release New Pandemics,” *Geneva Centre for Security Policy*. Available at: <https://www.gcsp.ch/sites/default/files/2024-12/gcsp-geneva-paper-29-22.pdf>.
11. Jaime M. Yassif et al., n.d., “Preventing the Misuse of DNA Synthesis Technology,” The Nuclear Threat Initiative, retrieved November 29, 2024. Available at: <https://www.nti.org/about/programs-projects/project/preventing-the-misuse-of-dna-synthesis-technology/>.
12. Gregory Lewis, et al. 2019. “Information Hazards in Biotechnology,” *Risk Analysis*, Vol. 39, No. 5, pp. 1-7.
13. Jaspreet Pannu et al., “AI Could Pose Pandemic-Scale Biosecurity Risks: Here’s How to Make It Safer,” *Nature*, November 21, 2024. Available at: <https://www.nature.com/articles/d41586-024-03815-2>.
14. Katarzyna P. Adamala et al., “Confronting Risks of Mirror Life,” *Science*, Vol. 368, No. 6728, December 12, 2024. Available at: <https://www.science.org/doi/10.1126/science.ads9158>.

RECOMMENDED

Artificial Intelligence

15. Joseph R. Biden, “Memorandum on Advancing the United States’ Leadership in Artificial Intelligence; Harnessing Artificial Intelligence to Fulfill National Security Objectives; and Fostering the Safety, Security, and Trustworthiness of Artificial Intelligence,” *The White House*, October 24, 2024. Available at: https://www.whitehouse.gov/briefing-room/presidential-actions/2024/10/24/memorandum-on-advancing-the-united-states-leadership-in-artificial-intelligence-harnessing-artificial-intelligence-to-fulfill-national-security-objectives-and-fostering-the-safety-security/is?utm_source=link.

Synthetic Biology

16. Drew Endy et al. 2025 “Biosecurity Really: A Strategy for Victory,” *Hoover Institution*, Available at: https://www.hoover.org/sites/default/files/research/docs/Moront_BiosecurityReally_web-251007.pdf
17. Congressional Research Service, “Synthetic/Engineering Biology: Issues for Congress,” September 30, 2022, pp 1-17. Available at: <https://crsreports.congress.gov/product/pdf/R/R47265/2>.
18. United States Department of Defense. 2023. “Biodefense Posture Review,” pp. 1-9. Available at: https://media.defense.gov/2023/Aug/17/2003282337/-1/-1/1/2023_biodefense_posture_review.pdf.