Books on

ROBOTICS

List of Books Available on Robotic

1. Artemiadis, P. (Ed.). (2014). *Neuro-robotics: From brain machine interfaces to rehabilitation robotics*. Springer.
   629.892 ART   029133

2. Asimov, I. (1996). *I, Robot*. HarperCollins Publishers.
   813.54 ASI   018781

3. Breazeal, C. (2004). *Designing sociable robots*. MIT Press.
   006.3 BRE   028618

4. Bullo, F., Cortés, J., & Martínez, S. (2009). *Distributed control of robotic networks: A mathematical approach to motion coordination algorithms*. Princeton University Press.
   629.89246 BUL   028787

5. Burdet, E., & Franklin, D. W. (2013). *Human robotics: Neuromechanics and motor control*. MIT Press.
   612.8 BUR   023192

6. Calvo, R. A., & Calvo, R. A. (2015). *Oxford handbook of affective computing*. Oxford University Press.
   004.21 CAL   023953

7. Comminiello, D. (Ed), & Principe, J. (Ed). (2018). *Adaptive learning methods for nonlinear system modeling*. Elsevier.
   621.3822 COM   028716

8. Corke, P. I. (2011). *Robotics, vision and control: Fundamental algorithms in MATLAB*. Springer.
   629.892 COR   016118

9. Craig, J. J. (2004). *Introduction to robotics: Mechanics and control* (3rd ed). Pearson Education.
   629.892 CRA   004964, 005107, 023497

10. Deb, S. R., & Deb, S. (2010). *Robotics Technology and Flexible Automation* (2nd ed). Tata McGraw Hill Education.
    629.892 DEB   005654

11. Donahue, P. (n.d.). *What to doodle? Jr.superheroes and robots!* Dover Publications.
    741 DON   CC1064

12. Dormehl, L. (2017). *Thinking machines: The quest for artificial intelligence and where It's taking us next*. Penguin Random House.
   006.309 DOR   026346

13. Dudek, G., & Jenkin, M. (2010). *Computational principles of mobile robotics* (2nd ed.). Cambridge University Press.
   629.932 DUD   029483

14. Duncan, D. E. (2019). *Talking to robots: Tales from our human-robot futures*. Robinson.
   629.8924019 DUN   028237

15. Fu, K. S., Lee, C. S. G., & Gonzalez, R. C. (1987). *Robotics: Control, sensing, vision, and intelligence*. Tata McGraw Hill Education.
   629.892 FUK   005997

16. Ghoshal, S. (2009). *Embedded Systems and Robots*. Cengage Learning.
   629.892 GHO   002326

17. Grigore Gogu. (2008). *Structural synthesis of parallel robots: Part 1: methodology*. Springer.
   629.892 GOG   002191

18. Gunkel, D. J. (2012). *Machine question: Critical perspectives on AI, robots, and ethics*. MIT Press.
   174.9629892 GUN   015723

19. Hans, H. S., & Puri, S. P. (2003). *Mechanics* (2nd ed.). Tata McGraw Hill Education.
   531 HAN   005678

20. Jordan, J. M. (2016). *Robots*. MIT Press.
   629.892 JOR   027014

21. Kasparov, G. (2017). *Deep thinking: Where machine intelligence ends and human creativity begins*. Hachette.
   006.3 KAS   026353

22. Kleppner, D., & Kolenkow, R. J. (1973). *Introduction to mechanics*. Tata McGraw Hill Education.
   531 KLE   005713

23. Lin, P., Bekey, G. A., & Abney, K. (2012). *Robot ethics: The ethical and social implications of robotics*. MIT Press.
   174.9629892 ROB   015744

24. Long, J. (2012). *Darwin`s devices: What evolving robots can teach us about the history of life and the future of technology*. Basic books.
629.892 LON   016046

25. Lyons, D. M. (2011). *Cluster computing for robotics and computer vision*. World Scientific Publishing.
006.3 LYO   026428

26. Manjunath, T. C. (2001). *Fundamentals of robotics* (5th ed). Nandu printers and publisher's privet limited.
629.892 MAN   000701, 000702

27. Markoff, J. (2015). *Machines of loving grace: The quest for common ground between humans and robots*. Harper Collins.
303.483 MAR   022782

28. Mayor, A. (2018). *Gods and robots: Myths, machines, and ancient dreams of technology*. Princeton University Press.
201.306 MAY   027404

29. McEwan, I. (2019). *Machines like me: And people like you*. Penguin random house.
823.92 MCE   027880

30. Mindell, D. A. (2015). *Our robots, ourselves: Robotics and the myths of autonomy*. Penguin.
629.892 MIN   022783

31. Murphy, R. R. (2000). *Introduction to AI robotics*. PHI Learning.
629.86263 MUR   006555, 003253

32. Murphy, R. R. (ed). (2018). *Robotics through science fiction: Artificial intelligence explained through six classic robot short stories*. MIT Press.
813.0876208 MUR   027859

33. Niku, Saeed Benjamin. (2009). *Introduction to Robotics: Analysis, systems, applications*. PHI Learning.
629.892 NIK   003355, 006596

34. Nolfi, S., & Floreano, D. (2000). *Evolutionary robotics: The biology, intelligence, and technology of self-organizing machines*. MIT Press.
629.892 NOL   013433

35. Oussama, K., Daniela, R., & Vijay, K. (2008). *Experimental robotics: The 10th international symposium on experimental robotics*. Springer.
    629.892 OUS   002189

36. Portman, V. T. (2019). *Mechanics of accuracy in engineering design of machines and robots: Stiffness and metrology, Vol. 2*. ASME Press.
    620.0042 POR   029406

37. Punter, R., & Hamilton, A. (2006). *Stories of robots*. Usborne Publishing Ltd.
    823.92 PUN   CC1196

38. Reese, B. (2018). *Fourth age: Smart robot's conscious computers and the future of humanity*. Atria International – Simon & Schuster Inc.
    303.4834 REE   026608

39. Siciliano, B. (et al). (2006). *Robotics: Modelling, planning and control*. Springer.
    629.8 SIC   022513

40. Siciliano, B., & Khatib, O. (2008). *Springer handbook of robotics*. Springer.
    629.892 SIC   002188

41. Siegwart, R., & Nourbakhsh, I. R. (2004). *Introduction to autonomous mobile robots*. Prentice Hall of India.
    629.892 SIE   003363

42. Spong, M. W. (Ed.). (2004). *Robot dynamics and control*. Wiley.
    629.892 SPO   004016

43. Srinivas, J., Ramji, K., & Dukkipati, R. V. (2009). *Robotics: Control and programming*. Narosa Publishing House.
    629.892 SRI   002914, 002915

44. Srinivasan, S. (2003). *Automotive Mechanics* (2nd ed). Tata McGraw Hill Education.
    629.2872 SRI   005695

45. Subudhi, B. (2009). *Computational intelligence, control and computer vision in robotics and automation*. Narosa Publishing House.
    006.3 SUB   002705, 002706

46. Torras, C. (2018). *Vestigial heart: A novel of the robot age*. MIT Press.
    849.936 TOR   026477

47. Torsten, K., & Wahl. Friedrich M. (2009). *Advances in Robotics Research: Theory, Implementation, Application*. Springer-Verlag.
629.892 KRO   002187

48. Verma, M. K. (2008). *Introduction to mechanics*. Universities press.
531 VER   001067

49. Wallach, W., & Allen, C. (2009). *Moral machines: Teaching robots right from wrong*. Oxford University Press.
629.892 WAL   027944

50. West, D. M. (2018). *Future of work: Robots, AI, and automation*. Brookings Institution.
306.36 WES   027468

51. Wilson, D. H. (2015). *Popular mechanics robots: A new age of bionics, drones and artificial intelligence*. Hearst Books.
629.892 WIL   023682

52. Winfield, A. (2012). *Robotics: A very short introduction*. Oxford University Press.
629.892 WIN   017618

53. Xie, M. (2003). *Fundamentals of robotics: Linking perception to action*. World Scientific.
629.892 XIE   011750

54. Yoshikawa, T. (2009). *Foundations of robotics: Analysis and control*. PHI.
629.892 YOS   006433

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- [NASA Education Robotics Website](#)
- [Robotics Resources Guide](#)
- [10 Humanoid Robots of 2020](#)

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