

## References & Suggested Additional Reading

### General references and websites

- [1] I. Asimov 1970, *I, Robot*, Fawcett World Library.
- [2] K. Capek 1975, “R.U.R”, in the Brothers Capel, *R. U. R and The Insect Play*, Oxford University Press.
- [3] J. Denavit and R. S. Hartenberg 1955, “A kinematic notation for lower-pair mechanisms based on matrices”, *Journal of Applied Mechanics*, pp. 215-221.
- [4] D. Stewart 1965, “A platform with six degrees of freedom”, *Proc. of Inst. of Mech. Eng.*, Vol. 180, No. 1, pp. 371-386.
- [5] <http://en.wikipedia.org/wiki/Robot> – Introduction, history, types of robots and numerous links to stuff about robots and robotics.
- [6] <http://www.jpl.nasa.gov> and links to Mars Robots.
- [7] <http://world.honda.com/ASIMO/> – link to ASIMO humanoid robot by Honda.
- [8] <http://www.sonyaibo.net> – link to robotic dog made by Sony.
- [9] <http://www.legomindstorms.com> – link to a robotic kit manufacturer.
- [10] <http://www.ai.mit.edu> – one of premier University for robotics research.
- [11] <http://robotics.stanford.edu> – another very well University for robotics research.
- [12] <http://www.frc.ri.cmu.edu> – Well known Robotics Institute.
- [13] <http://www.robots.com/movies.php> – A repository of robot movies.
- [14] <http://www.youtube.com> – Search for “robot movies”.

### Textbooks and and research journals

- [1] H. Asada and J. J. Slotine 1986, *Robot Analysis and Control*, Wiley.
- [2] M. Brady et al. 1983, *Robot Motion*, MIT Press.

- [3] J. J. Craig 1989, *Introduction to Robotics: Mechanics and Control*, 2nd Ed., Addison-Wesley.
- [4] K. Fu, R. Gonzalez and C. S. G. Lee 1987, *Robotics: Control, Sensing, Vision and Intelligence*, McGraw-Hill.
- [5] A. Ghosal 2006, *Robotics: Fundamental Concepts and Analysis*, Oxford University Press.
- [6] Y. Koren 1985, *Robotics for Engineers*, McGraw-Hill.
- [7] R. M. Murray, Z. Li, and S. S. Sastry 1994, *A Mathematical Introduction to Robotic Manipulation*, CRC Press.
- [8] R. Paul 1981, *Robot Manipulators*, MIT Press.
- [9] B. Siciliano and O. Khatib 2008 (Eds), *Springer Handbook of Robotics*, Springer.
- [10] *IEEE Transactions on Robotics* (originally *Robotics and Automation*), IEEE.
- [11] *IEEE Transactions on System, Man and Cybernetics*, IEEE.
- [12] *International Journal of Robotics & Automation*, ACTA Press.
- [13] *Robotica*, Cambridge University Press.
- [14] *Mechanism and Machine Theory*, Elsevier.
- [15] *The International Journal of Robotics Research*, SAGE Publications.
- [16] *Trans. of ASME, Journal of Dynamical Systems, Measurement and Control*, ASME.
- [17] *Trans. of ASME, Journal of Mechanical Design*, ASME.
- [18] *Trans. of ASME, Journal of Mechanisms and Robotics*, ASME.
- [19] *Advanced Robotics*, The Robotics Society of Japan.
- [20] *Journal of Robotic Systems*, John Wiley & Sons.