Reading list for Autonomous Vehicles - Planning, Control, and Learning Systems, TSFS12, 2026

Books

LaValle, S.M., (2006) *Planning Algorithms,* Cambridge University Press.

Siciliano, Bruno, Khatib, Oussama, (2016) *Handbook of Robotics* Springer
ISBN: 9783319325507

Sutton, R. S., and Barto, A. G, (2018) *Reinforcement Learning: An Introduction,* 2nd Ed. Cambridge, MA: MIT Press.

Articles

Paden, B., Cap, M., Yong, S. Z., Yershov, D., and Frazzoli, E., A survey of motion planning and control techniques for self-driving urban vehicles, *IEEE Trans. Intell. Vehicles* 1:1 (2016) 33–55.

Other

The course literature will be based on book chapters, recent scientific articles from journals and conferences in the field, and course manuscripts. The following books and articles will be a subset of the literature that will be used. A complete literature list will be provided on the course homepage.